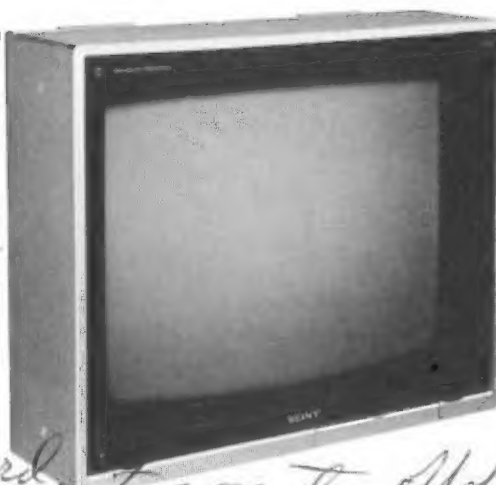


2385

1-228-484-11

KX-2501

SERVICE MANUAL

US Model
Chassis No. SCC-383A-A

HF CHASSIS

October, 1981

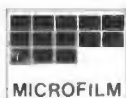
top center off of D1507 & T1503

The adjustment procedures are not contained in this manual.
When performing the adjustments, refer to the separate-volume "ADJUSTMENT MANUAL".

SPECIFICATIONS

Color system	NTSC	Output	SPEAKER
Picture tube	Trinitron tube 25-inch picture measured diagonally, 114-degree deflection	Power requirements	Accepts speakers of 8-16 ohms
Inputs	VIDEO INPUT (phono jack) 1 V p-p, NTSC, 75 ohms, unbalanced, sync negative AUDIO INPUT (2 phono jacks) -5 dBs (436 mV rms), 47 kilohms CONTROL INPUT (minijack) 5V p-p MULTI INPUT (8-pin DIN) Same as the above VIDEO/AUDIO/ CONTROL INPUTS	Power consumption	120V ac, 60 Hz 180 W (max.) 132 W (average) 1.8W (in standby condition)
		AC outlet	Switched, max. 200 W
		Dimensions	Approx. 660 x 560 x 487 mm (w/h/d) (26 x 22 1/8 x 19 1/4 inches)
		Weight	Approx. 55 kg (121 lb 4 oz)
		Accessories supplied	Video Cable VMC-1S (phono plug to phono plug, 1.2 m) Connecting Cord RK-105A (miniplug to 2 phono plugs, 1.5 m) 34-pin socket 1 set

— Continued on next page —



MON

TRINITRON®
COMPONENT TV
SONY®

RGB MULTI INPUT (34-pin plug)


Pin No.	Signal	Signal level
21	Level select	High state (open): for 1 V p-p Low state (ground): for TTL level
25 26 27	Red input Green input Blue input	Positive polarity ① 1 V p-p ± 3 dB, 75 ohms terminated, superimposed dc component 0–2 V ② TTL level ● ① or ② is selected by the pin 21.
29	Blanking input	Positive polarity High state (1–3 V), 75 ohms terminated Low state (0–0.4 V), 75 ohms terminated ● Displays RGB inputs only at high state, or RGB inputs superimposed directly on composite video inputs at low state.
30	Composite sync or H sync	Negative polarity ① 1 V p-p ± 3 dB, 75 ohms terminated, superimposed dc component 0–2 V ② TTL level ● ① or ② is selected by the pin 21.
31	V sync	Negative polarity TTL level
32	Half blanking	Positive polarity TTL level ● Active with the blanking input at low state. ● Decreases the contrast of the composite video inputs in superimposed mode.
33	Normal/RGB select	High state (10–12 V): RGB inputs Low state (0–2 V): Normal composite input ● The NORMAL/RGB button on the front panel does not function at high state.
3–13, 15, 16	Ground	
1, 2, 14, 17–20, 22–24, 28, 34	Not in use	

Design and specifications subject to change without notice.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

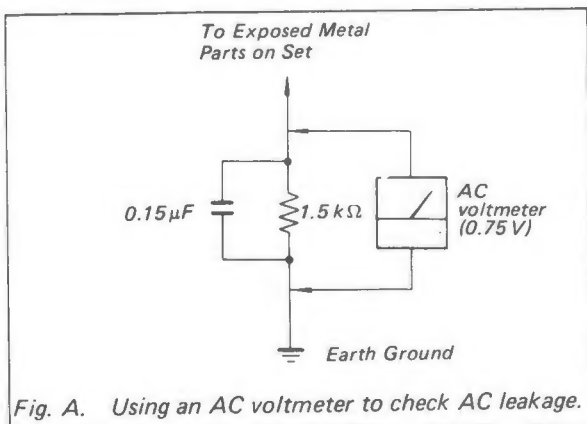
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



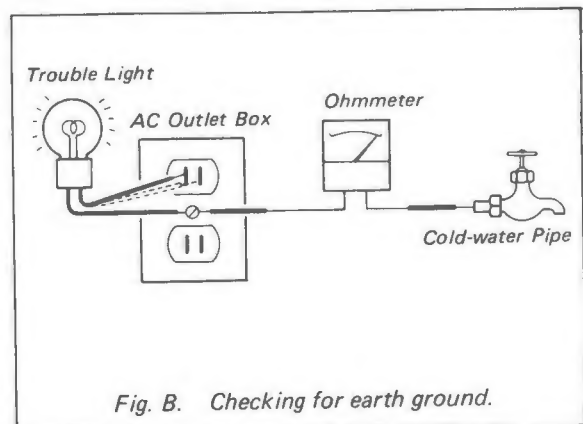
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

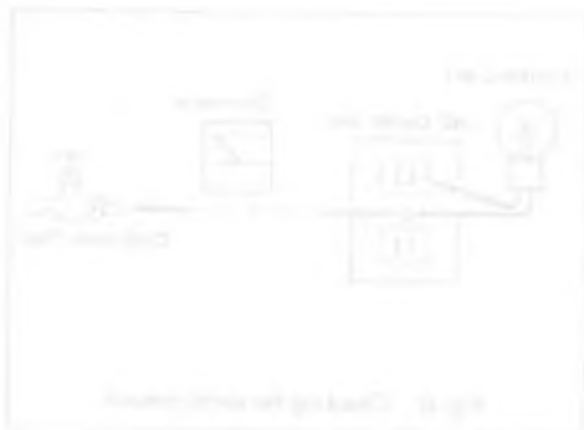
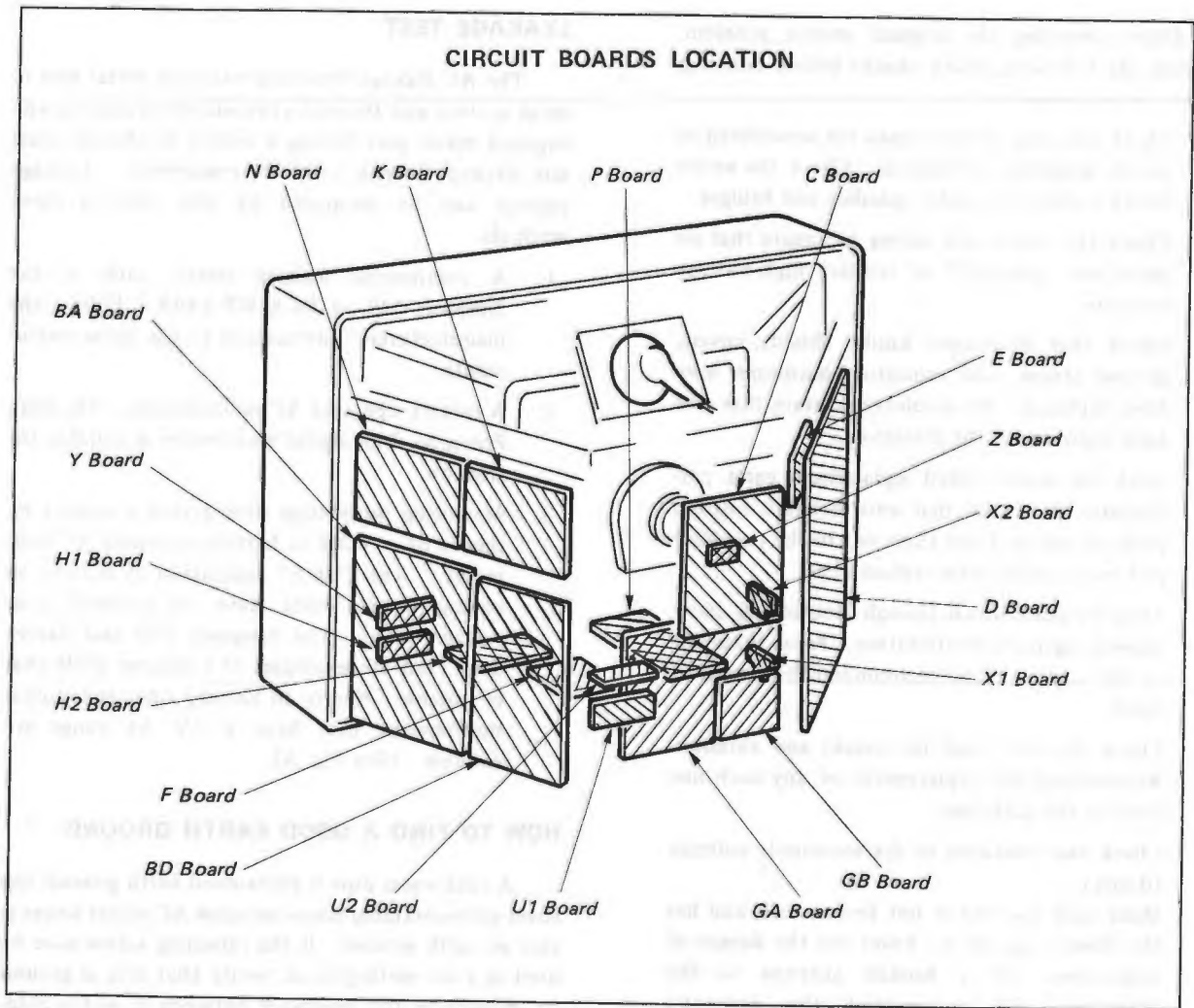
1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

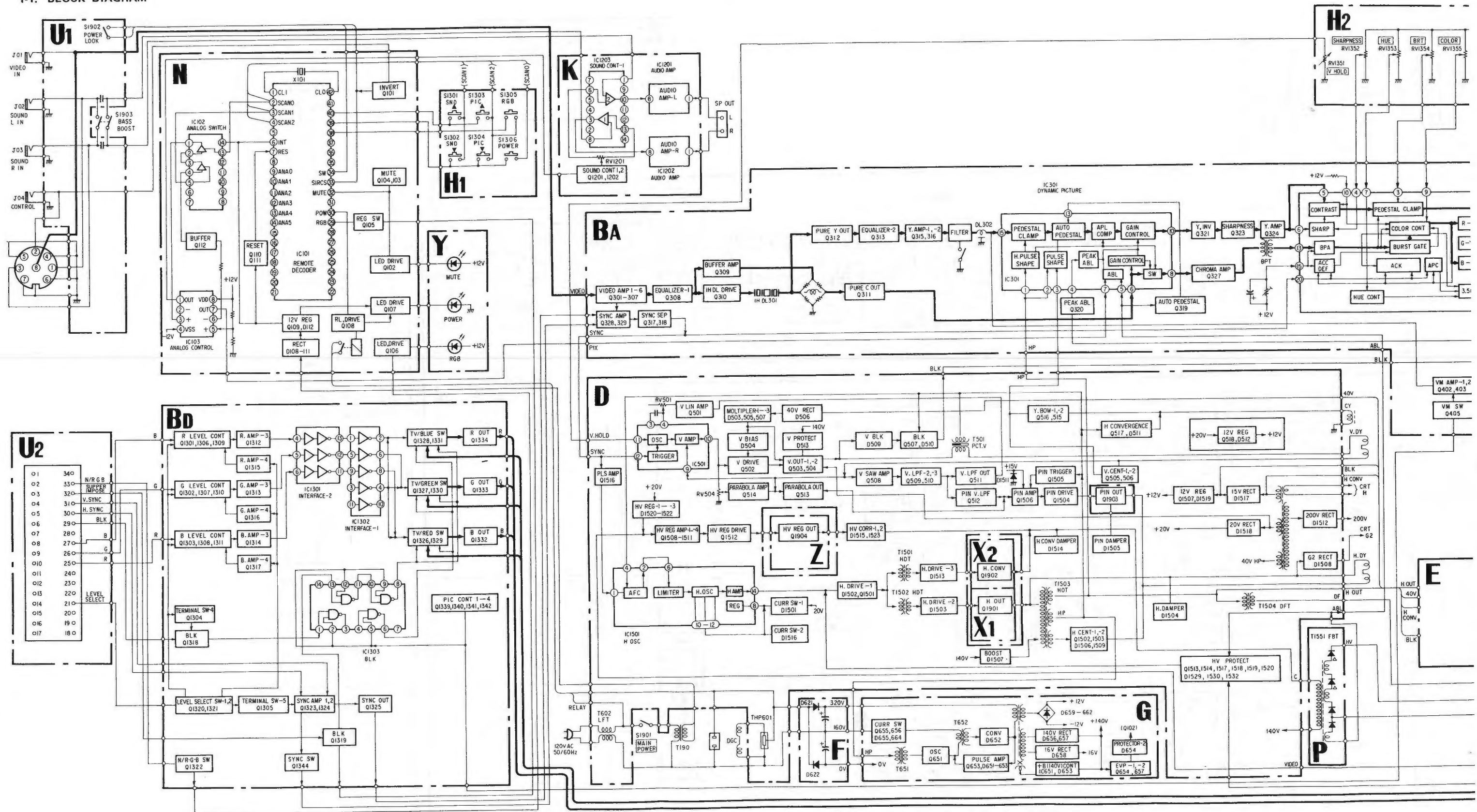


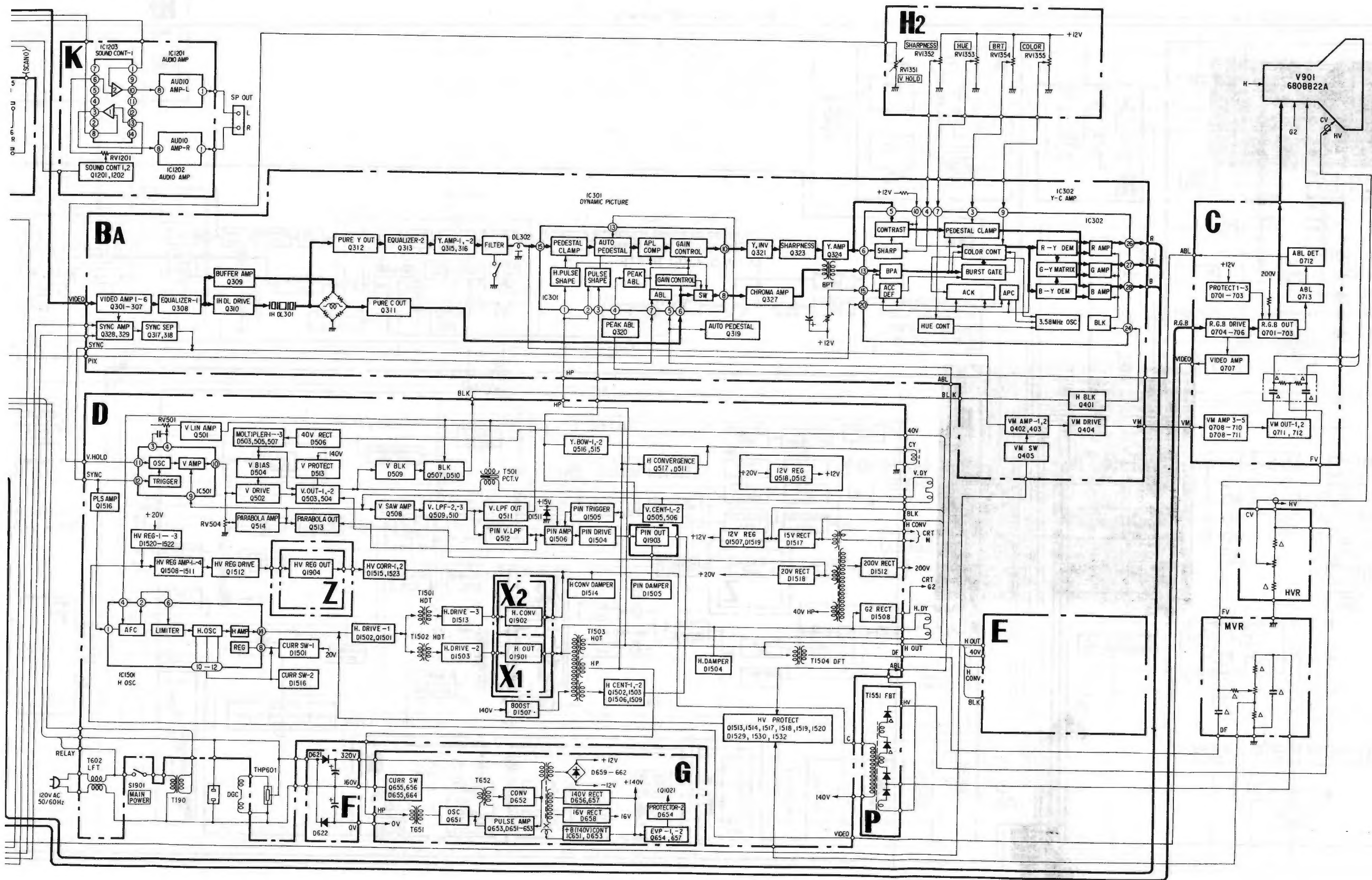
CIRCUIT BOARDS LOCATION



SECTION 1 OUTLINE

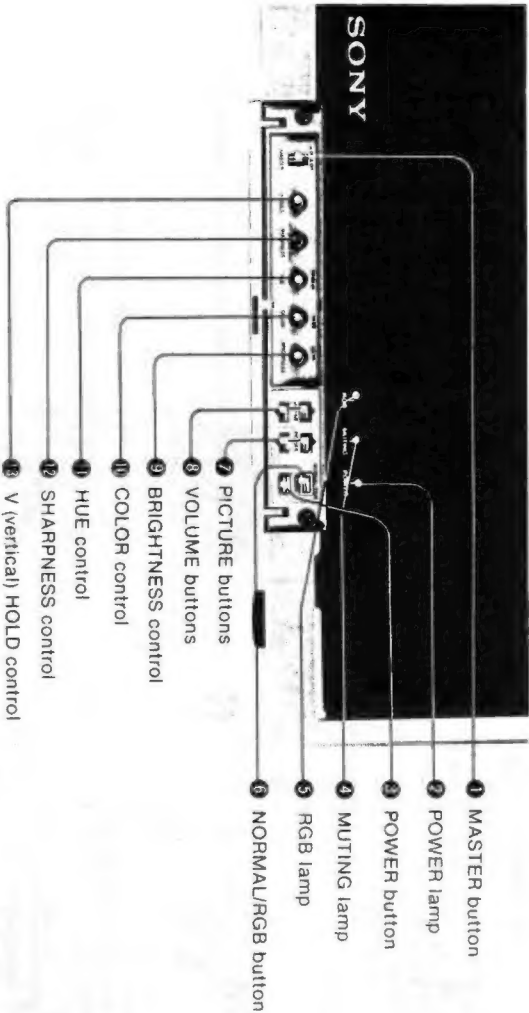
1-1. BLOCK DIAGRAM





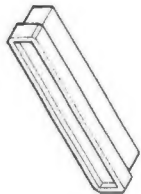
LOCATION AND FUNCTION OF PARTS AND CONTROLS

(behind panel)



14 RGB MULTI INPUT connector (34-pin plug)

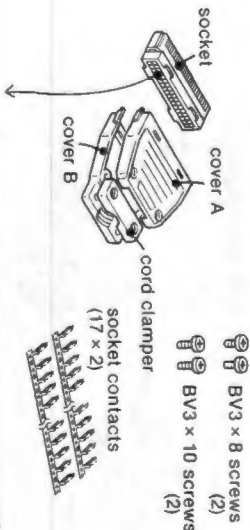
This connector allows a character generator, microcomputer, or a special adaptor for future multiplex letter information broadcasts having digital RGB outputs to be connected. The connector cover has been attached to this connector at the factory. When this connector is not in use, keep the cover attached.



If the cover is removed, blanking of the composite video signal cannot be made when the NORMAL/RGB button is set to RGB.

When such equipment having digital RGB outputs is connected to this connector, disconnect the connector cover and proceed as follows by using the supplied 34-pin socket.

34-PIN SOCKET PARTS



Position number	Signal to be connected	Position number	Signal to be connected
1	not in use	18	not in use
2	not in use	19	not in use
3	Ground	20	not in use
4	Ground	21	Level select
5	Ground	22	not in use
6	Ground	23	not in use
7	Ground	24	not in use
8 *	Ground (red return)	25 *	Red input
9 *	Ground (green return)	26 *	Green input
10 *	Ground (blue return)	27 *	Blue input
11	Ground	28	not in use
12 *	Ground (blanking return)	29 *	Blanking input
13 *	Ground (composite sync return)	30 *	Composite sync or H sync
14	not in use	31	V sync
15	Ground	32	Half blanking
16	Ground	33	Normal/RGB select
17	not in use	34	not in use

* For No. 25 and 8, 26 and 9, 27 and 10, 29 and 12, or 30 and 13 connections, use a twisted-pair lead when the signal level is TTL, or a coaxial cable when the signal level is 1V p-p.

(1) Solder each lead
1. Place the lead
Remove the covering. —



2. Fix the tab slightly.
3. Tighten the tab slightly.



4. Solder the connector. Take care not to damage the connector by the heat.



5. After soldering, move it up.

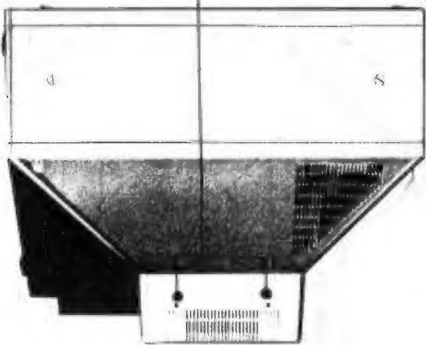


(2) Connect the connector. Refer to the chart.

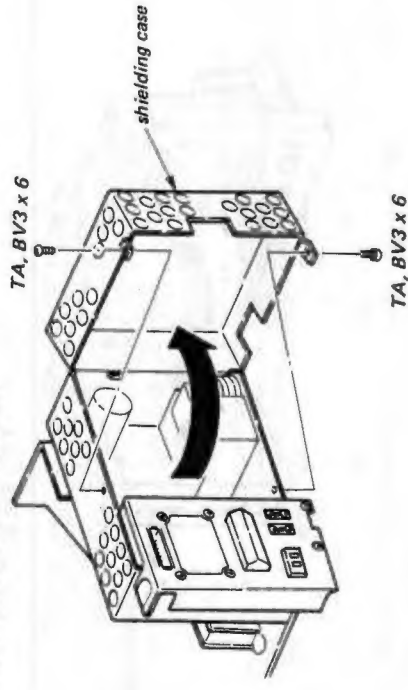


For positions 1-11, flat side downward.

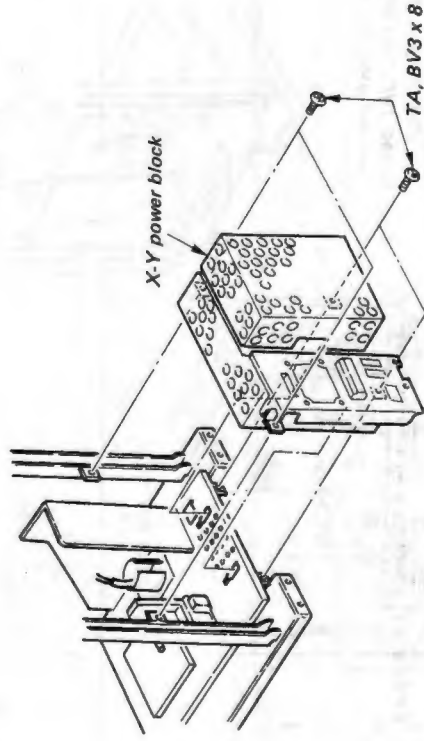
(Also located on the opposite side.)



2-3. OPEN THE SHIELDING CASE AS SHOWN

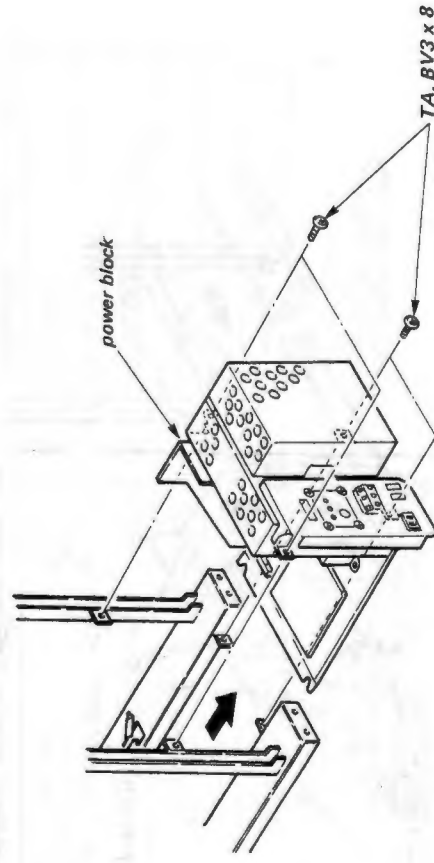


2-4. X-Y POWER BLOCK REMOVAL

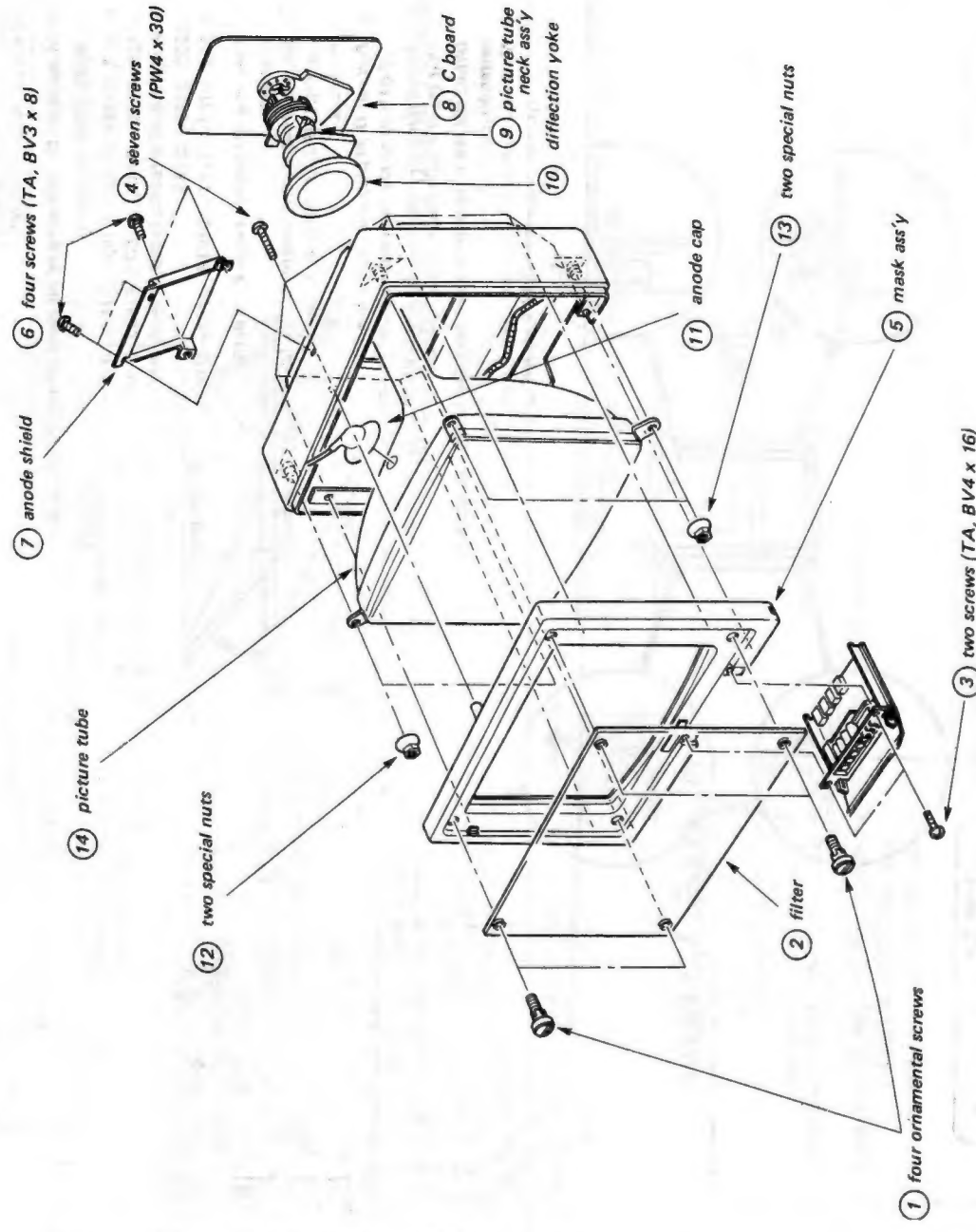


2-5. POWER BLOCK REMOVAL

Take out the heat sink, rear panel assembly, FBT, power transformer, and the X-Y power block by pulling them backward as shown.



2-6. PICTURE TUBE REMOVAL



SECTION 3
ADJUSTMENTS

3-1. D BOARD ADJUSTMENT

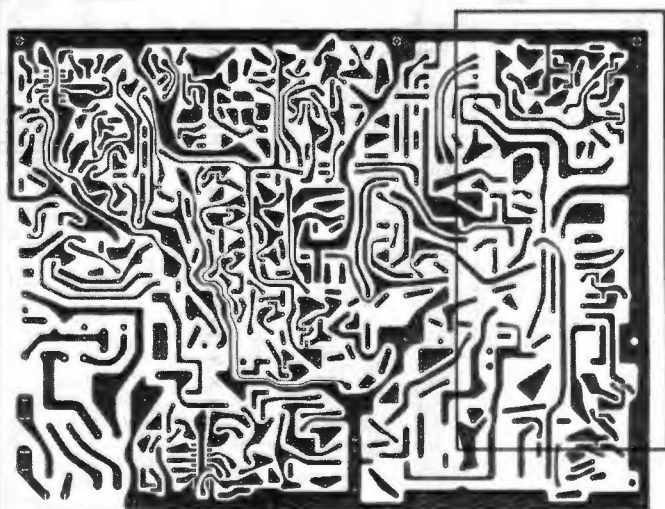
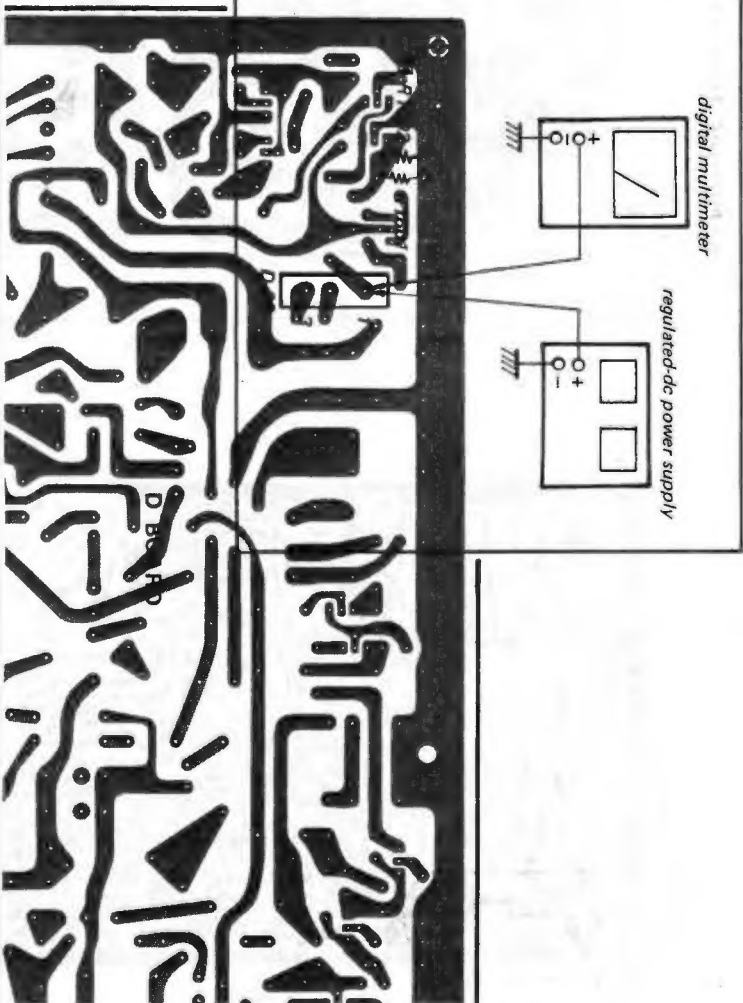
R1602 ADJUSTMENT

When replacing the following components, make this adjustment.

R1507, R1584, R1593, R1595, R1596, R1597, R1598, R1599, R1600, R1601, R1602, R1603, R1604, R1605, R1606, R1608, R1609, R1610, D1529, D1530, D1532, Q1513, Q1514, Q1517, Q1518, Q1519, Q1520

1. Feed in a dot pattern signal from pattern generator.
2. Set the variable auto-transformer to 120V ac and PICTURE, BRIGHT controls to minimum.
3. Pull out D-29 plug and supply the 16.11 ± 0.01 V dc to the terminal of D-29 ① with the regulated-dc power supply and confirm that the HV hold down circuit operates. (When the HV hold down circuit operates, raster disappears.)
Note: As soon as the HV hold down circuit operates, turn the POWER switch to OFF.

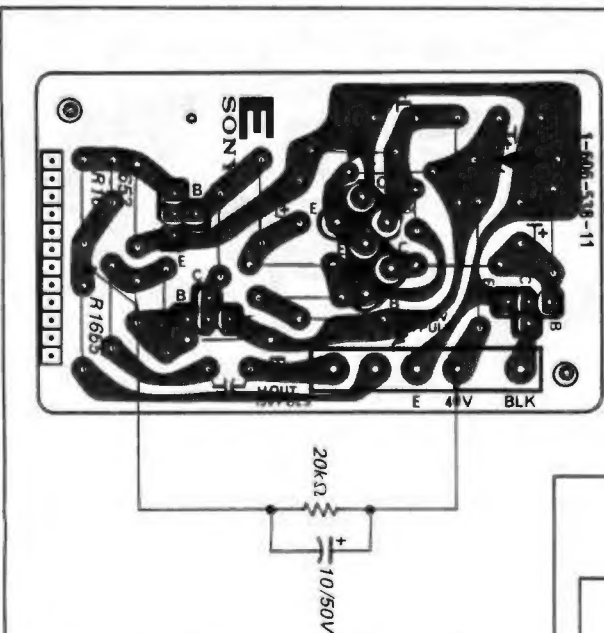
4. Supply the 15.95 ± 0.01 V dc to the terminal of D-29 ① and confirm that the set is normally operated.
5. Receive a white pattern.
6. Set the PICTURE, BRIGHT controls to maximum.
7. Supply the 15.54 ± 0.01 V dc to terminal of D-29 ① and confirm that the HV hold down circuit operates.
8. Supply the 15.38 ± 0.01 V dc to the terminal of D-29 ① and confirm that the set is normally operated.
9. Connect the D-29 plug.
10. If step 1 — 8 are not satisfied, select the resistance value of R1602 and repeat above step.



3-2. C BOARD ADJUSTMENTS

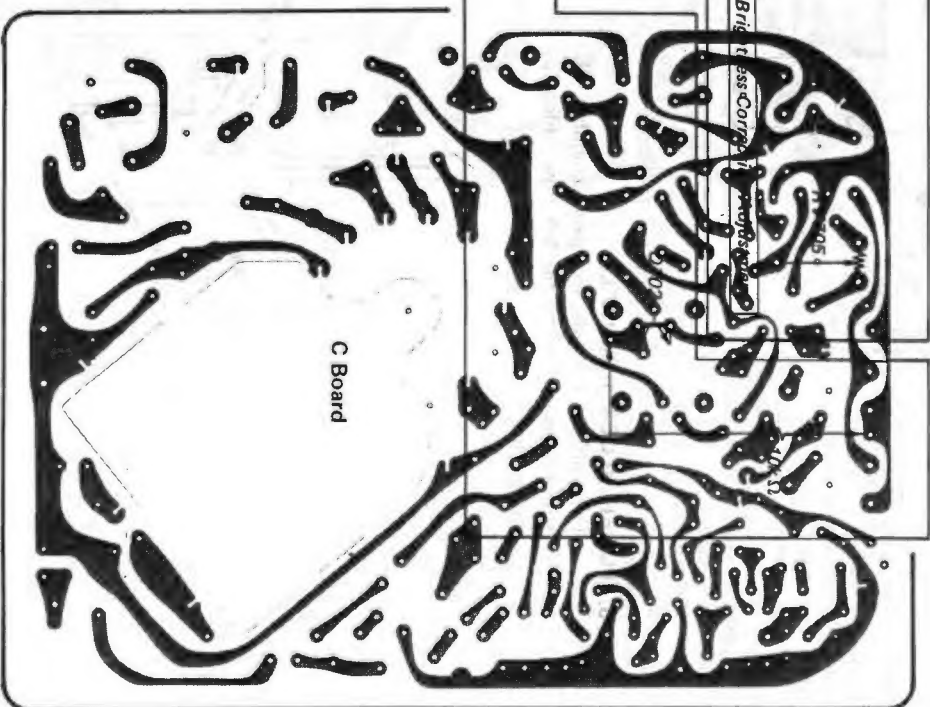
Check of the protector

1. Receive a monoscope pattern.
2. Set the PICTURE, BRIGHT controls to maximum.
3. Connect a network (20K Ω , 10 μ F/50V) and 10K Ω resistor as shown.
4. Confirm that the picture disappear.



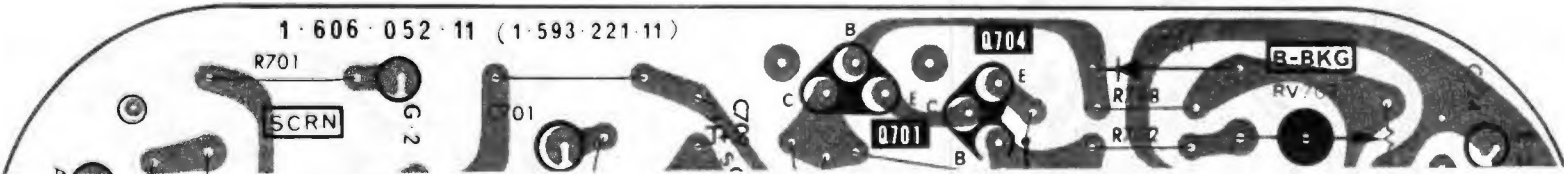
Brightness Correction Adjustment

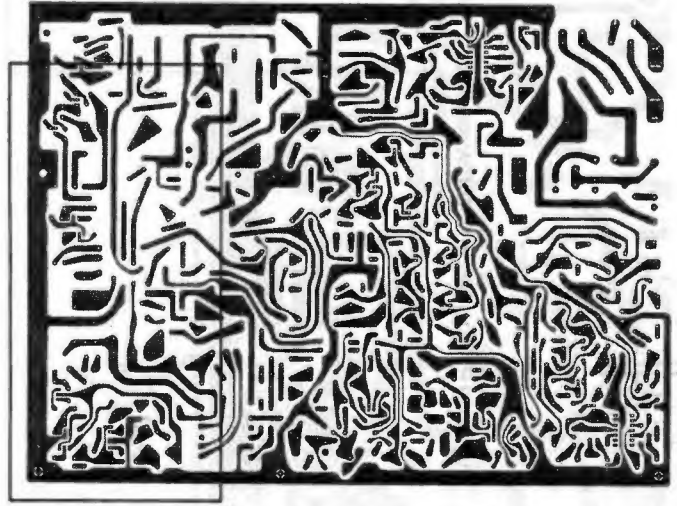
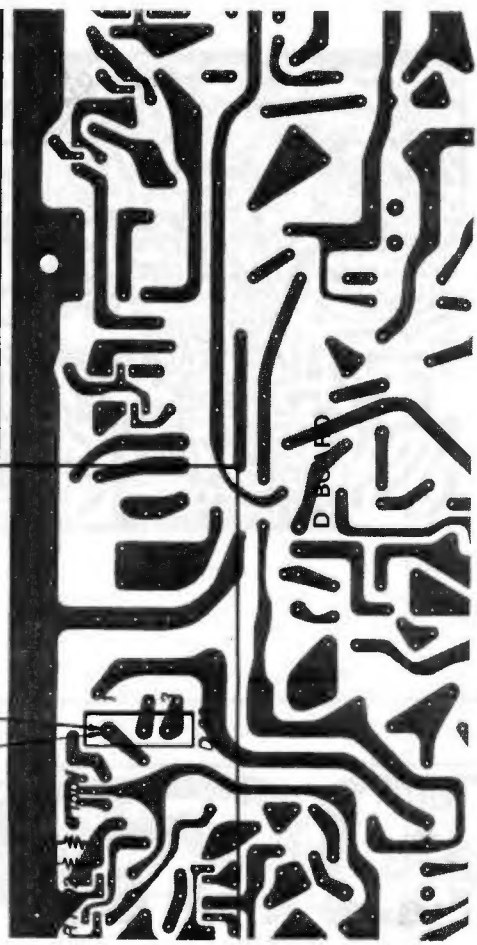
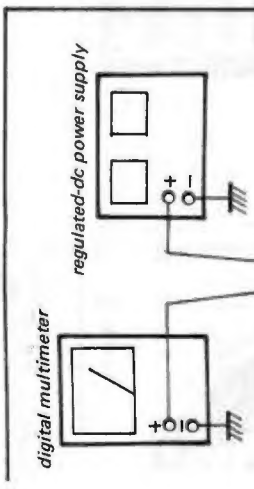
1. Tune in an RF signal.
2. Hold the COLOR (white) control down to receive a black-and-white picture. Push the bottom of the PICTURE control to get the darkest picture (PICTURE 0%). Set the BRIGHT control at mechanical center (click position).
3. Adjust RV705 to cut off the darkest part of the picture.
4. Check each channel to make sure that the black level is not excessive.



4-1. MOUNTING
— Conductor
C [R.G.B OUT] A

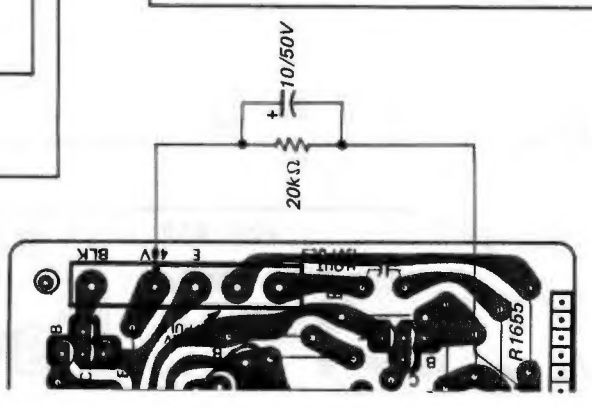
— C Board —





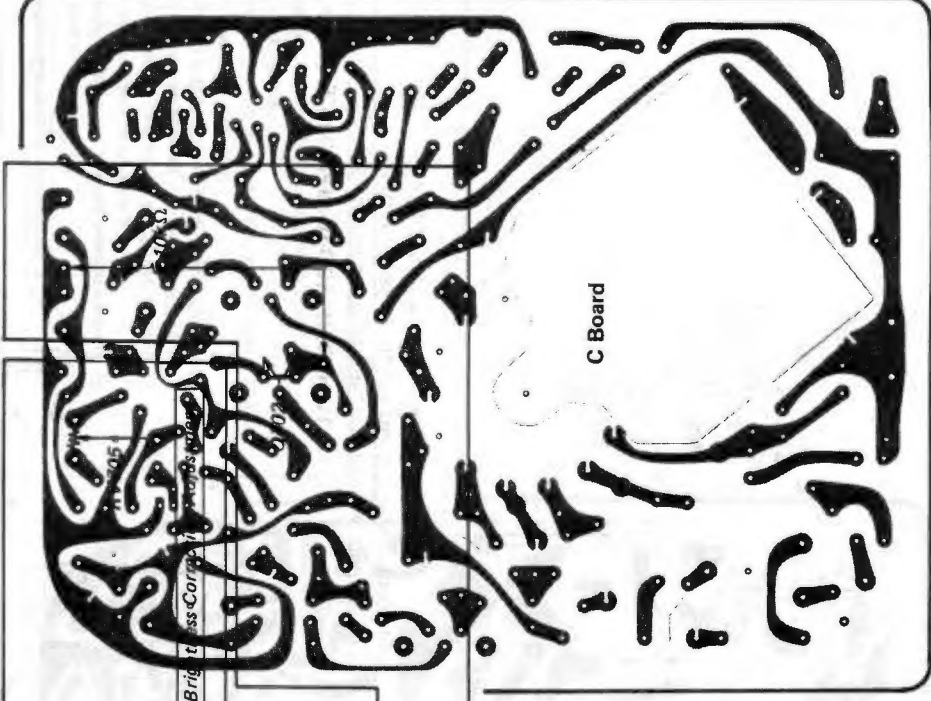
ADJUSTMENTS

oe pattern.
BRIGHT controls to
(20kΩ, 10μF/50V)
is shown.
icture disappear.



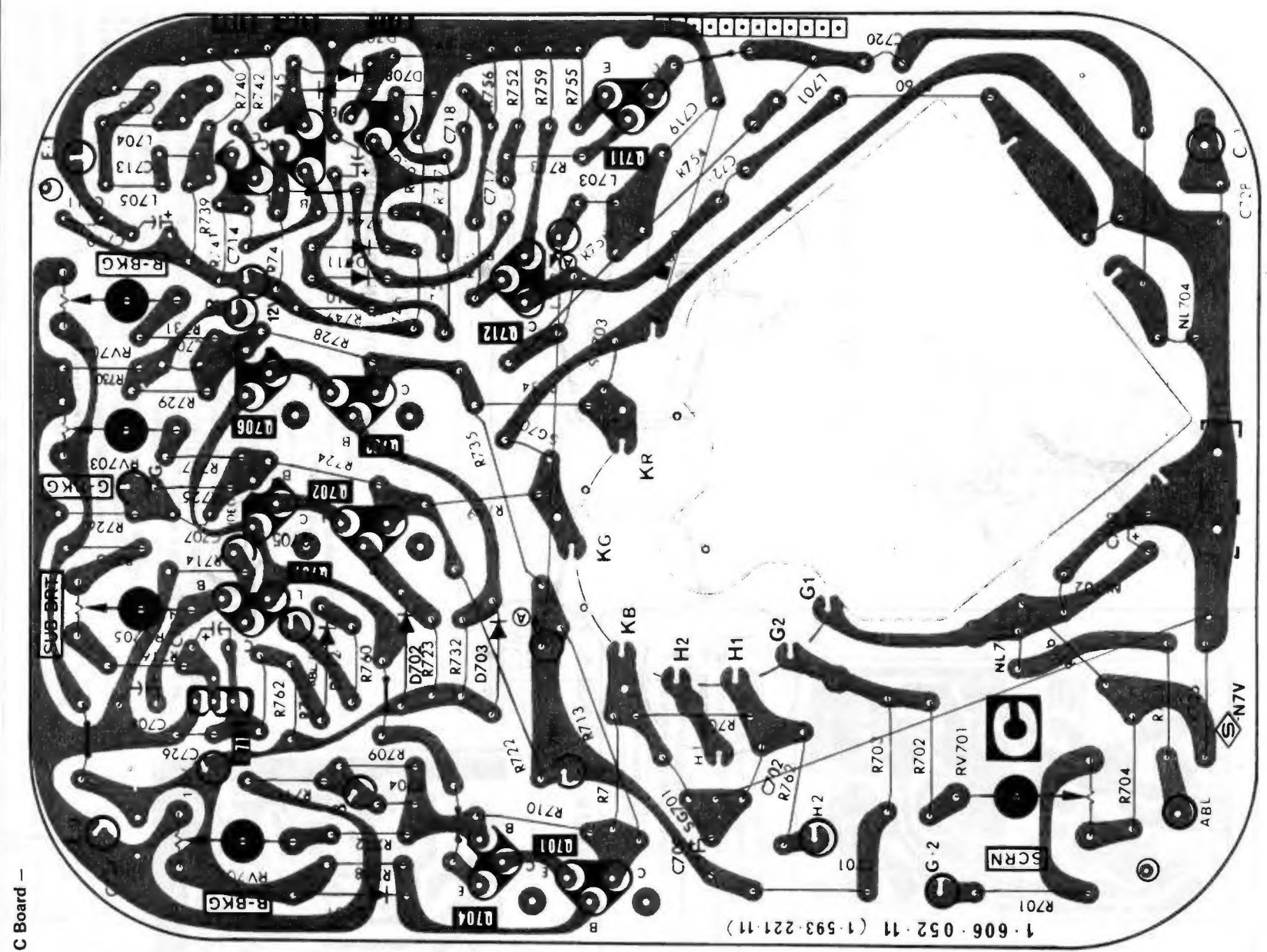
Brightness Correction Adjustment

1. Tune in an RF signal.
2. Hold the COLOR (white) control down to receive a black-and-white picture. Push the bottom of the PICTURE control to get the darkest picture (PICTURE 0%). Set the BRIGHT control at mechanical center (click position).
3. Adjust RV705 to cut off the darkest part of the picture.
4. Check each channel to make sure that the black level is not excessive.

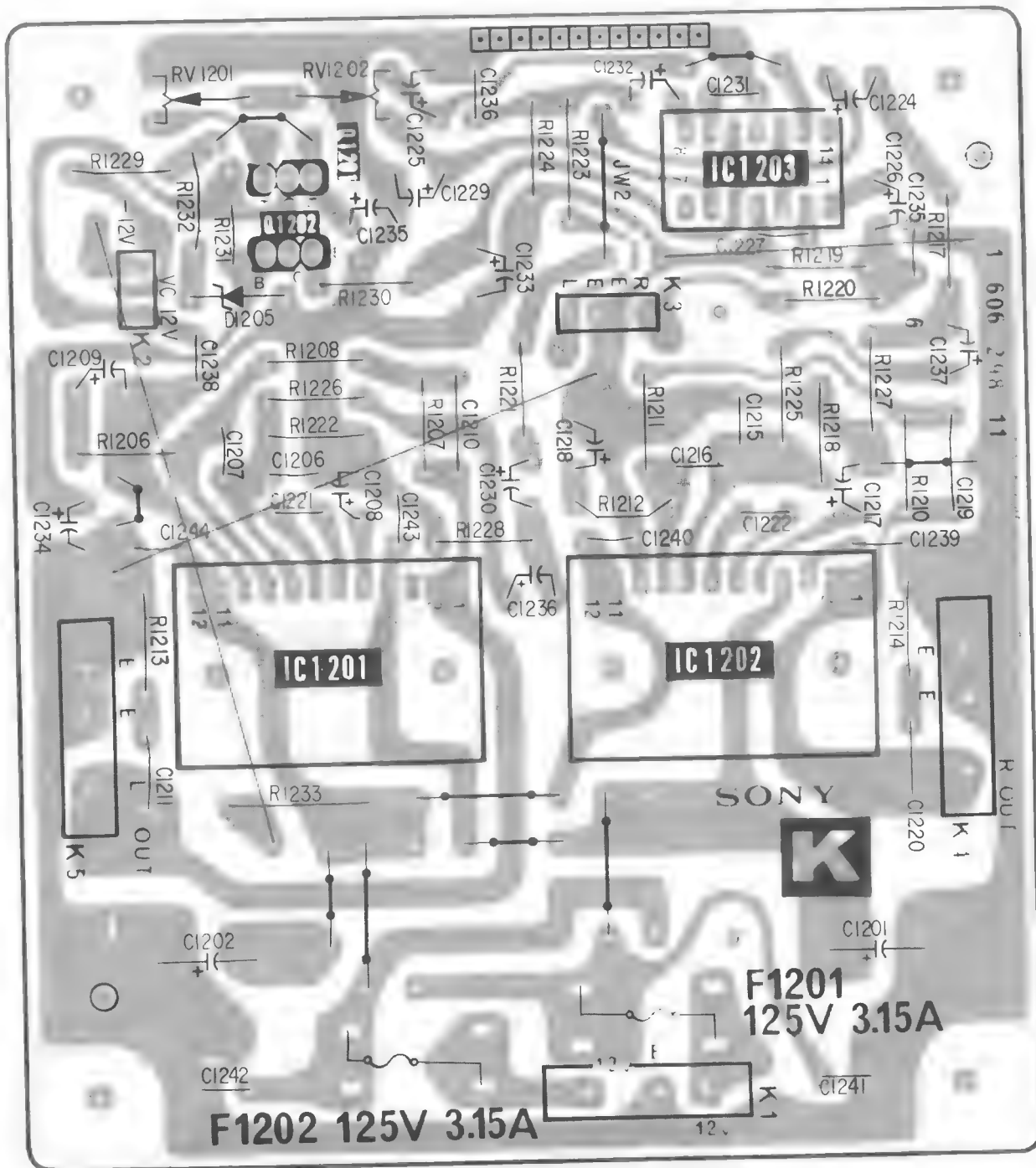


SECTION 4 MOUNTING DIAGRAM — Conductor Side —

C [R. G. B OUT]



- K Board -



F

[LIVE RECT]

U2

[INPUT TERMINAL]

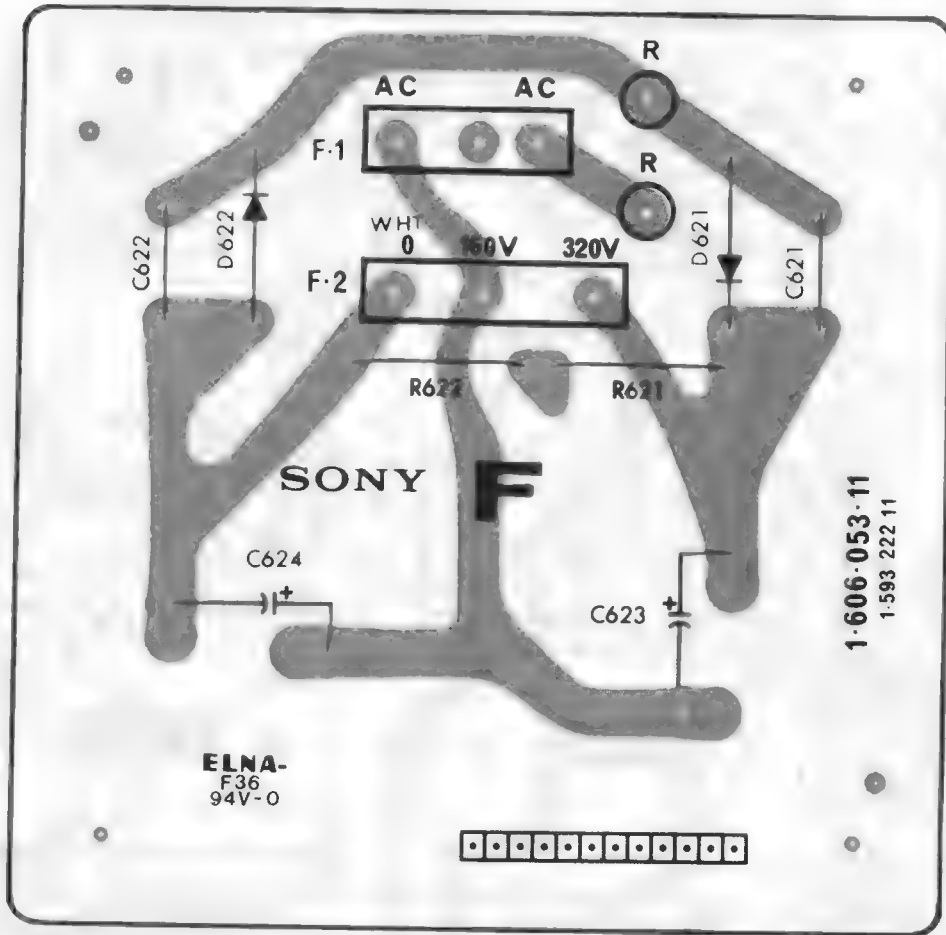
A

B

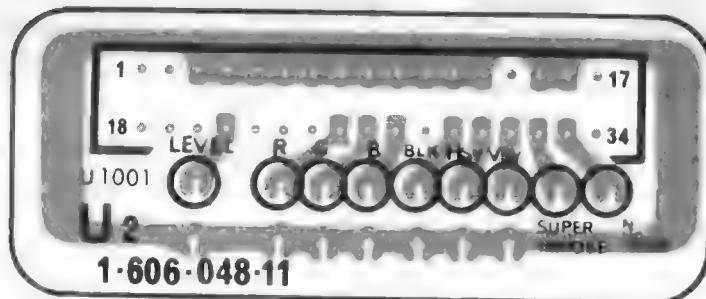
C

D

— F Board —



— U2 Board —



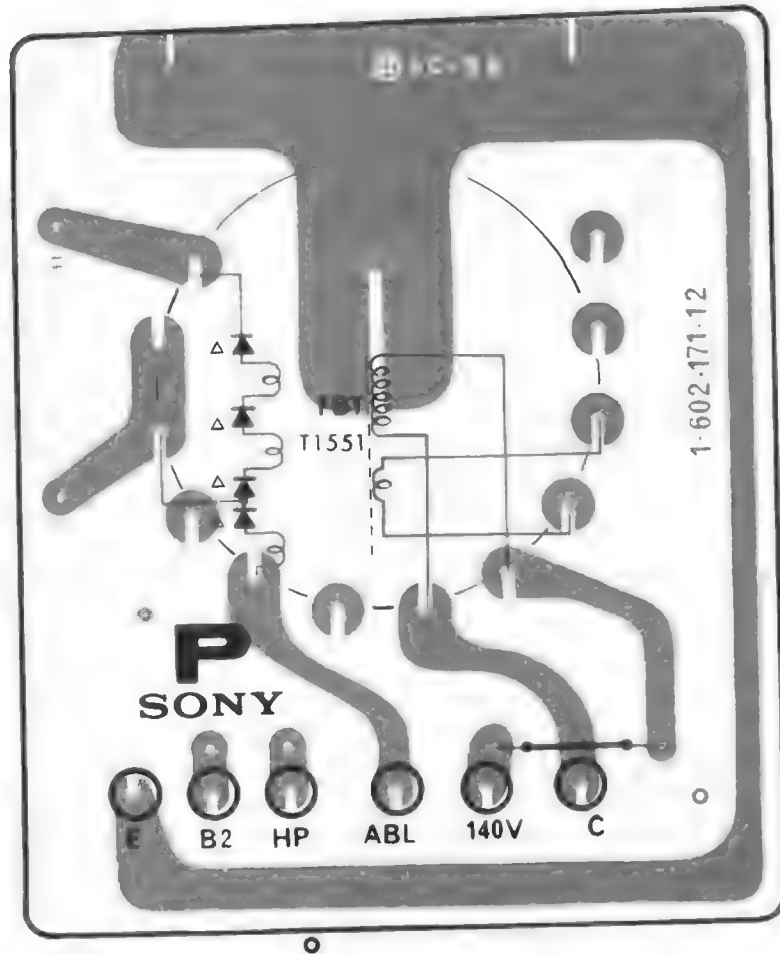
A

B

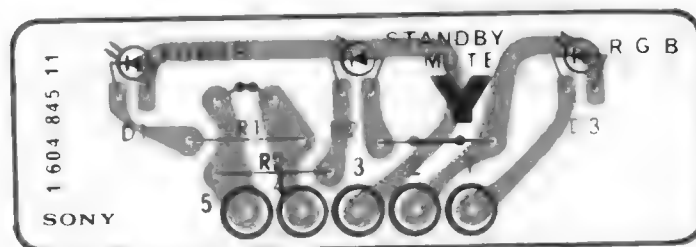
C

D

— P Board —



— Y Board —



X1

[H OUT]

X2

[H CONV OUT]

E

[PROTECTOR]

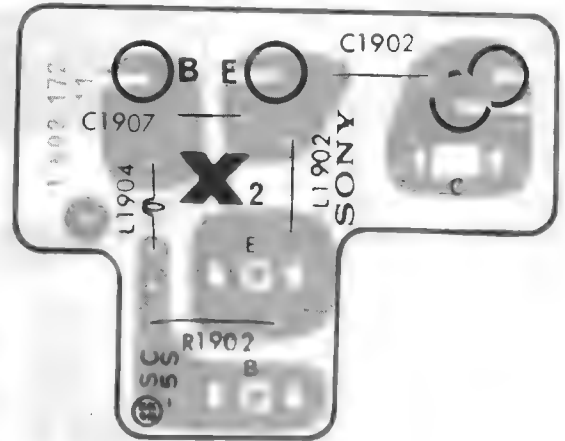
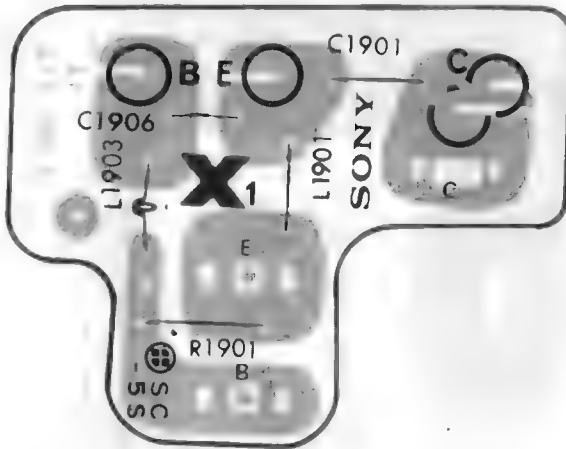
Z

[HV REG OUT]

A**B****C****D**

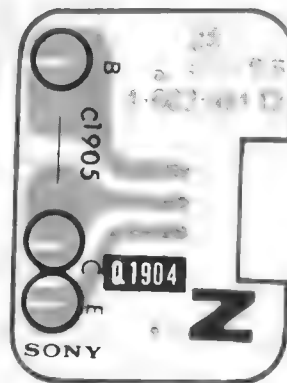
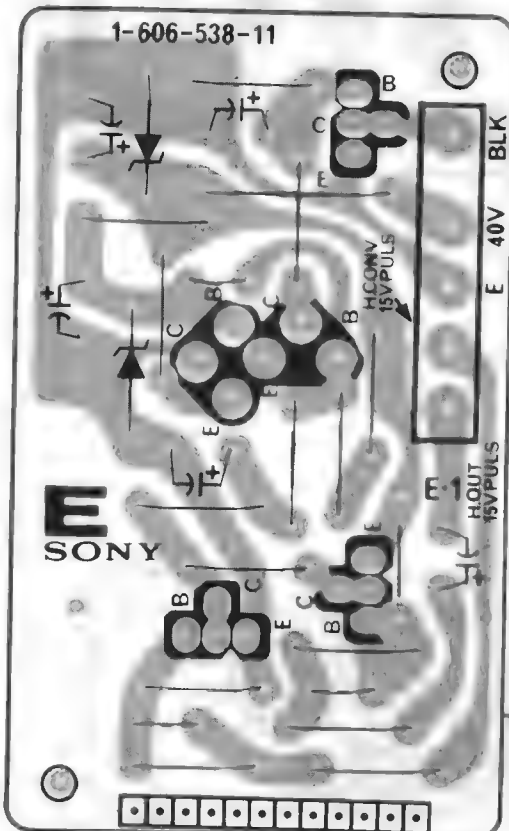
— X1 Board —

— X2 Board —



— E Board —

— Z Board —

**CAUTION**

Do not replace parts on E board, replace the complete circuit board only.

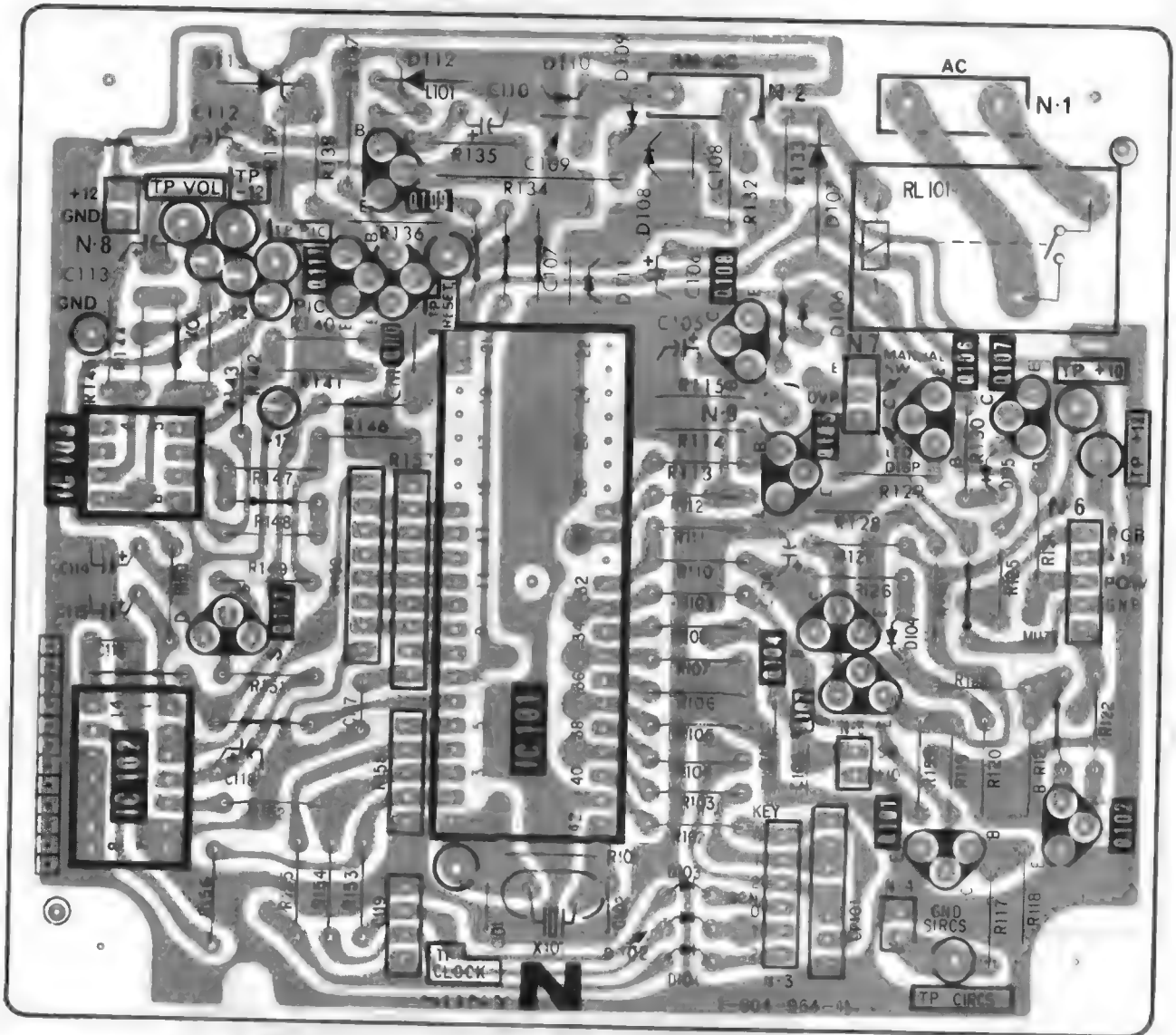
U 1

D

[DECODER]

D

— N Board —



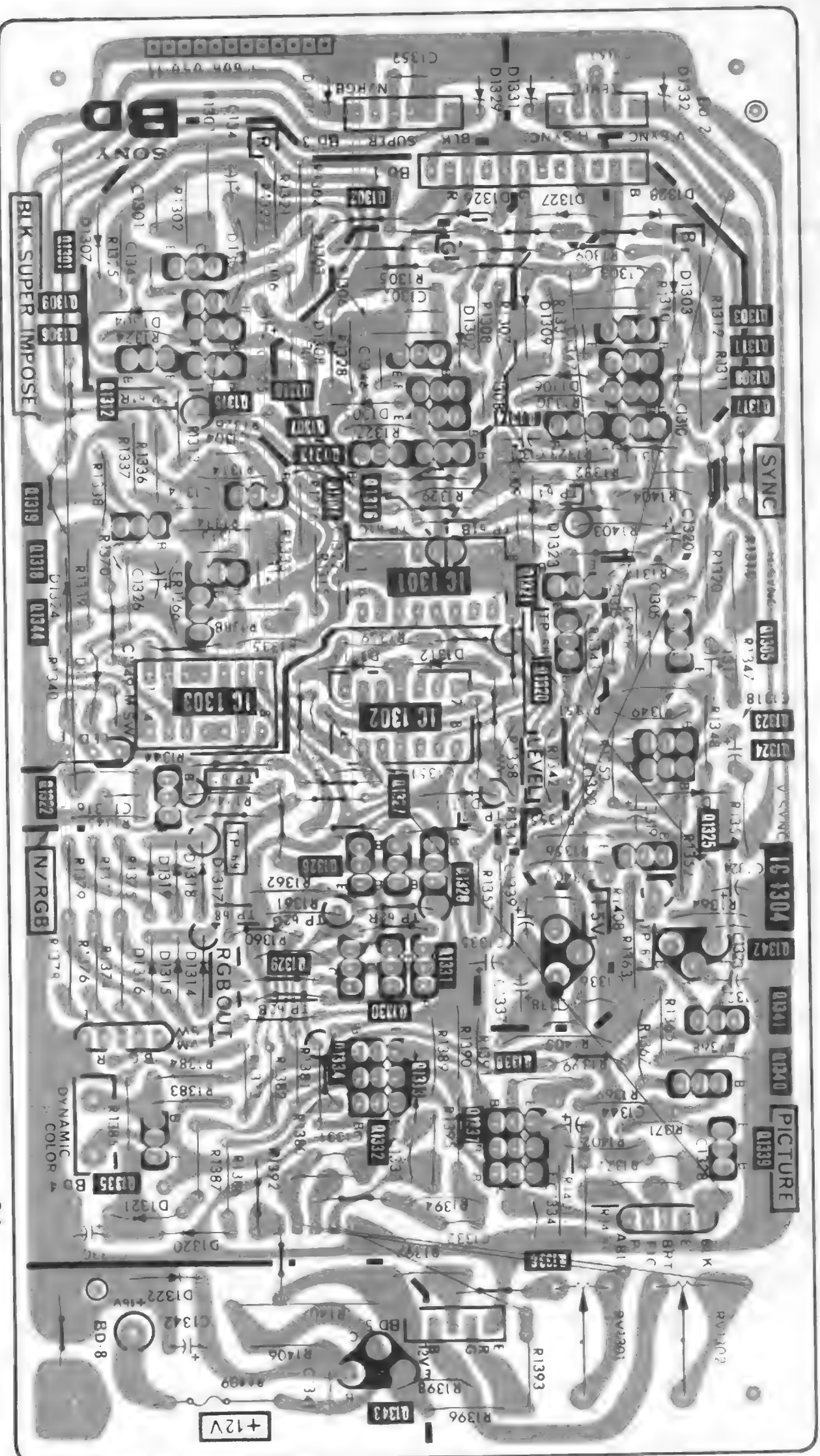
(INTERFERENCE)

BD

BD

		A		B		C		D		E		F		G		H	
Q, IC	1																
D	2																
ADJ	5																

— BD Board —

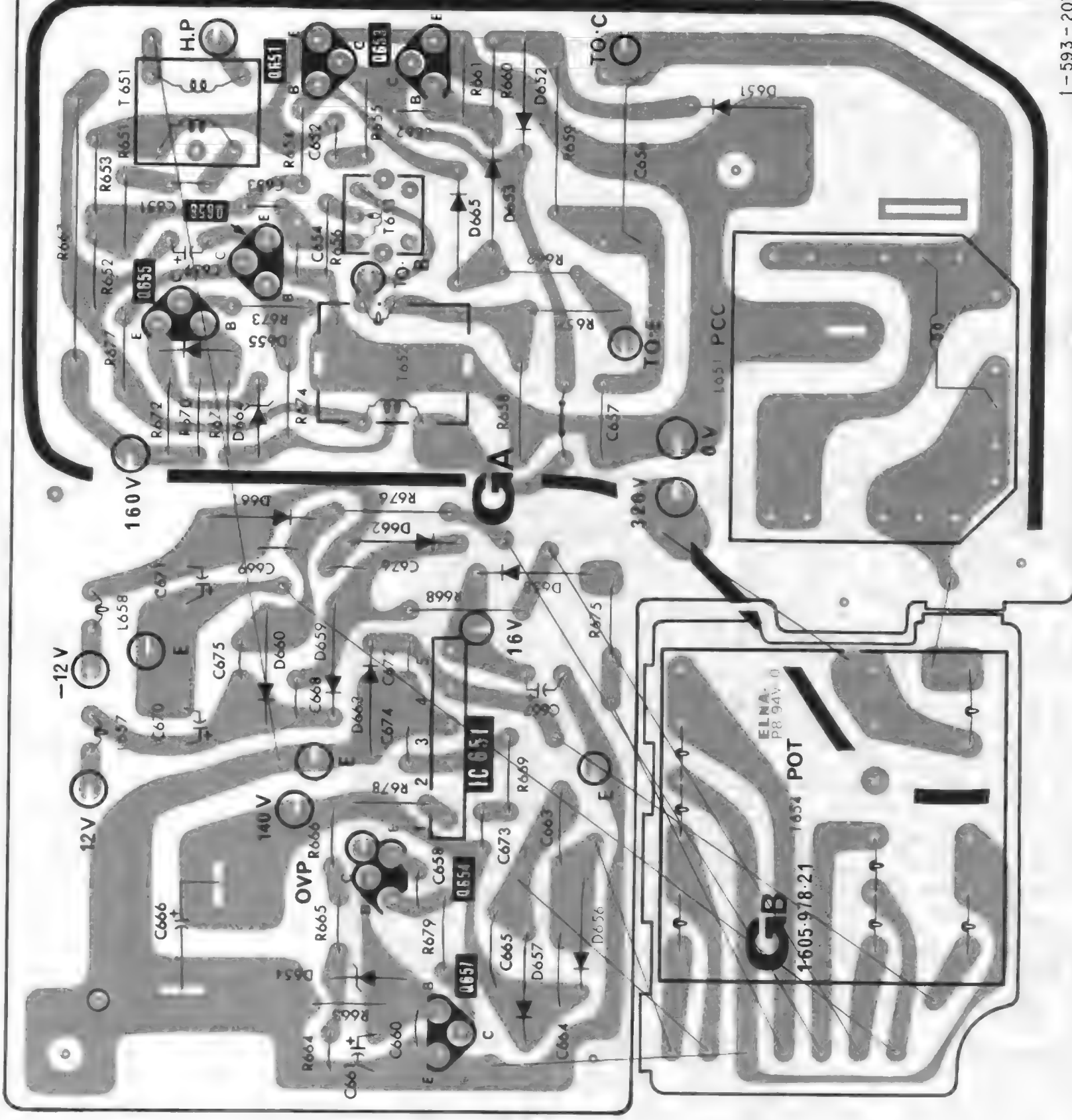


GB GA

GA GB

[POWER SUPPLY]

— GA Board —



1-593-207-21

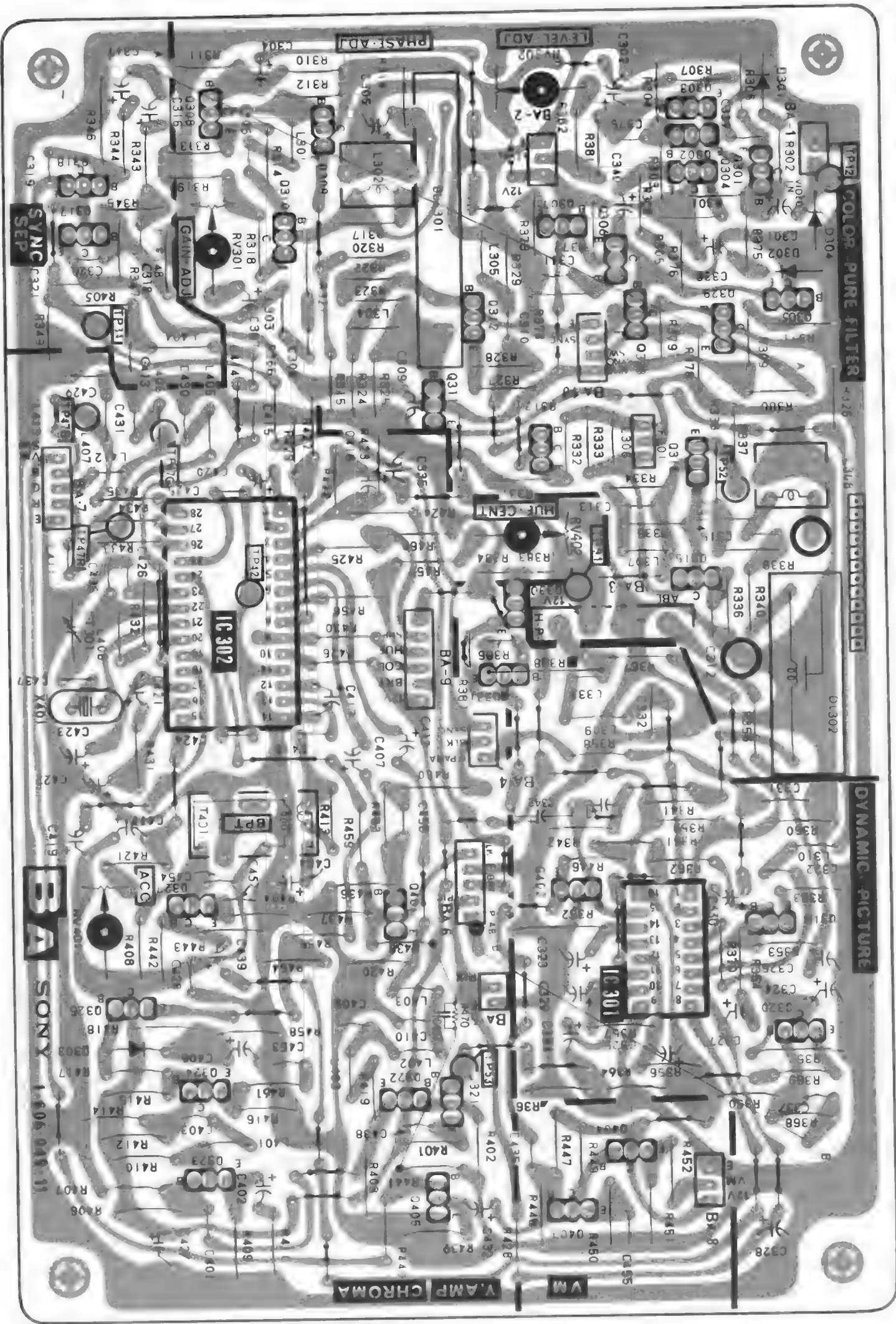
— GB Board —

VIDEO DRIVE, CHROMA,
DYNAMIC PICTURE,
VM DRIVE, Y AMP


BA












BA

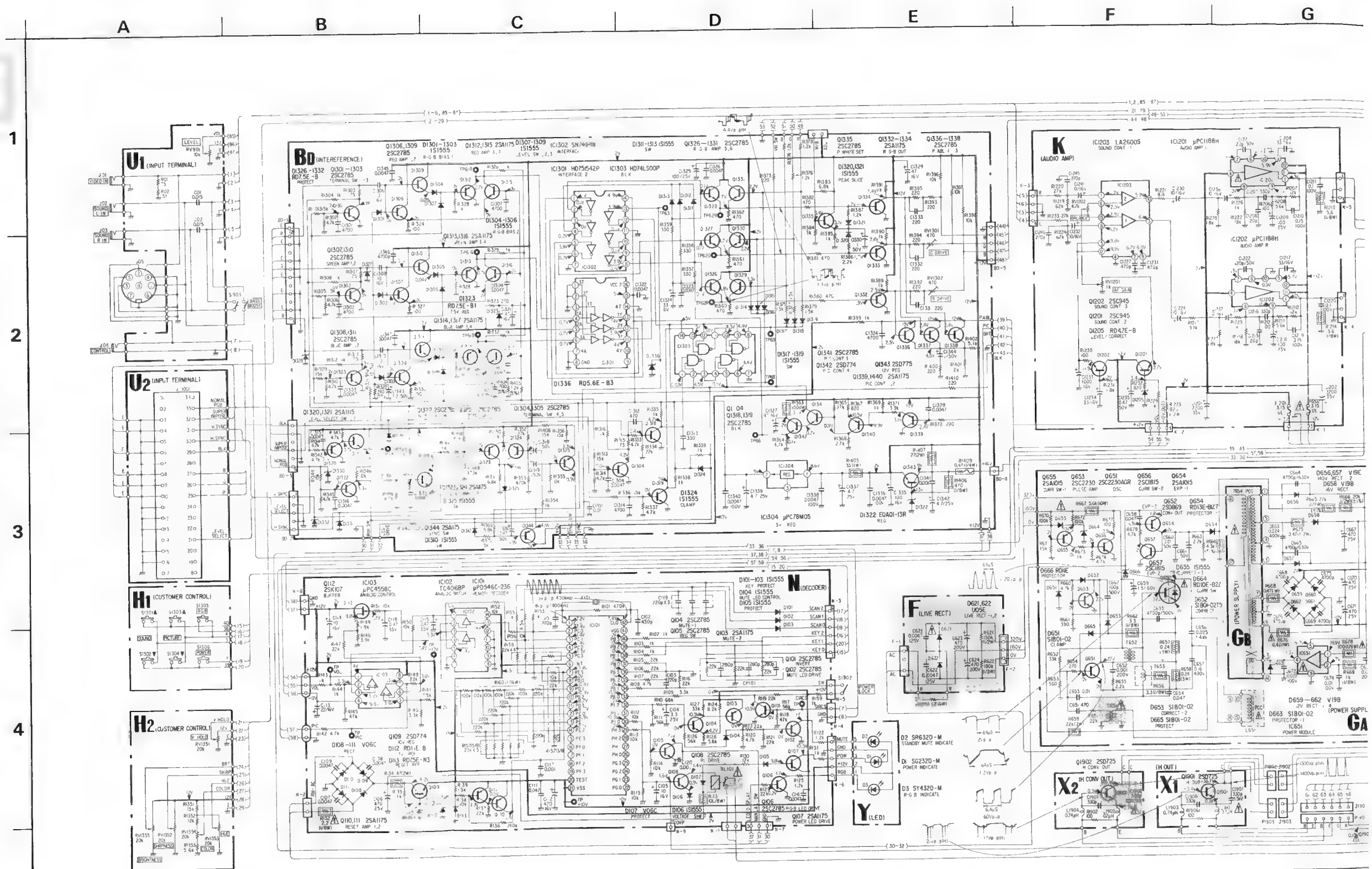
Q, IC																	Q, IC
	301	302	303	304	305	306	307	308	309	310	311	312	313	315	316	318	
D	301	302	301	RV301	RV402	RV401	303										D
ADJ																	ADJ



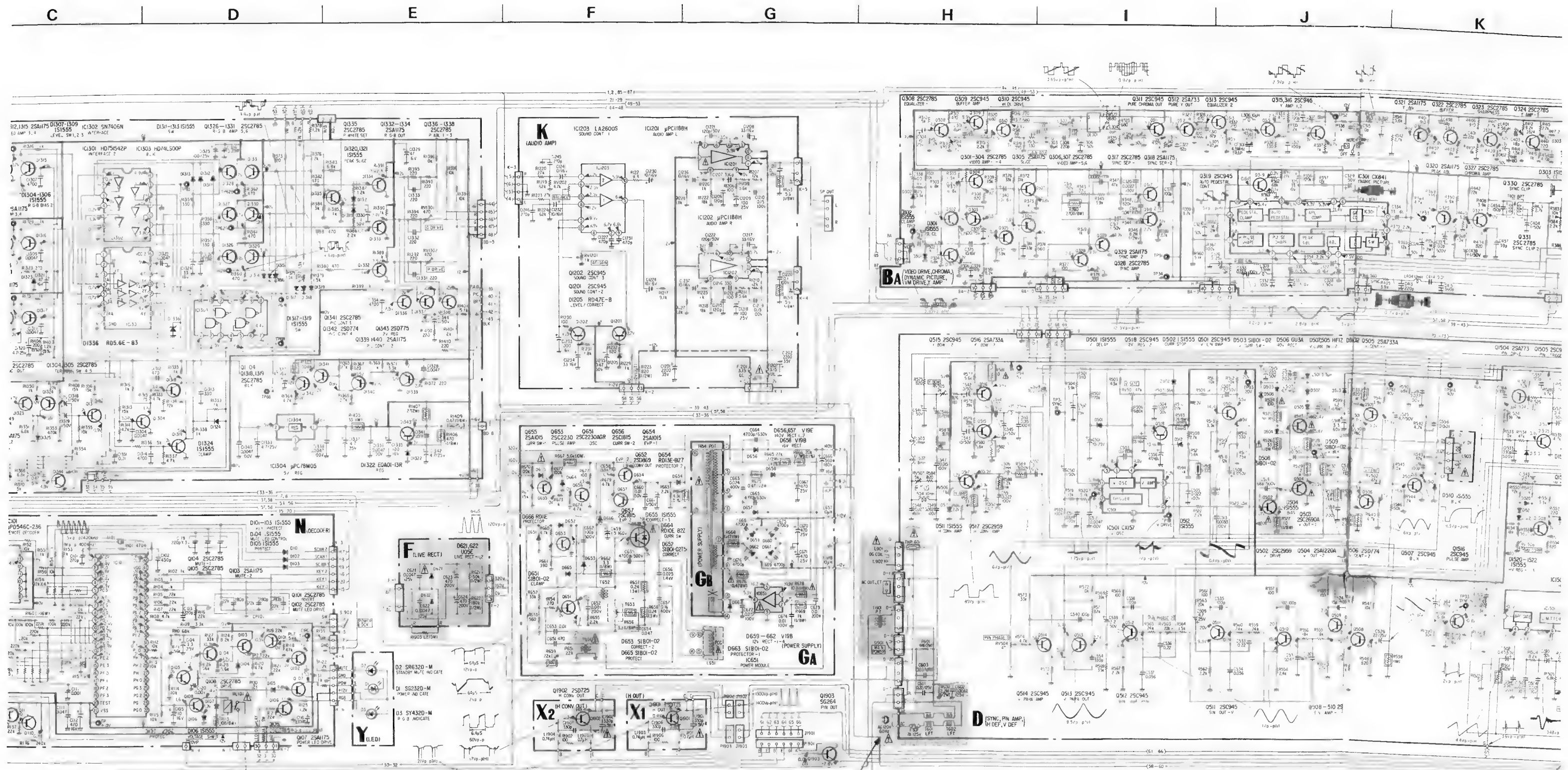
3-2. SCHEMATIC DIAGRAM

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

1. All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics.
2. All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. k: 1000 Ω , M: 1000 k Ω
3.  : nonflammable resistor.
4.  : fusible resistor
5.  : internal component.
6.  : panel designation.
7. All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
8. The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
9. When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  and repeat the adjustment until the specified value is achieved.
10. Refer to the service manual for the adjustment of components identified by .
11. All voltages are in V.
12. Voltages are dc with respect to ground unless otherwise noted.
13. Readings are taken with a 10 M ohm-per-volt DMT.
14.  : adjustment for repair.
15. Readings are taken with a color-bar signal input.
16. Voltage variations may be noted due to normal production tolerances.
17.  : B+ bus.
18.  : B- bus.
19. Do not replace parts on E board, replace the complete circuit board only.



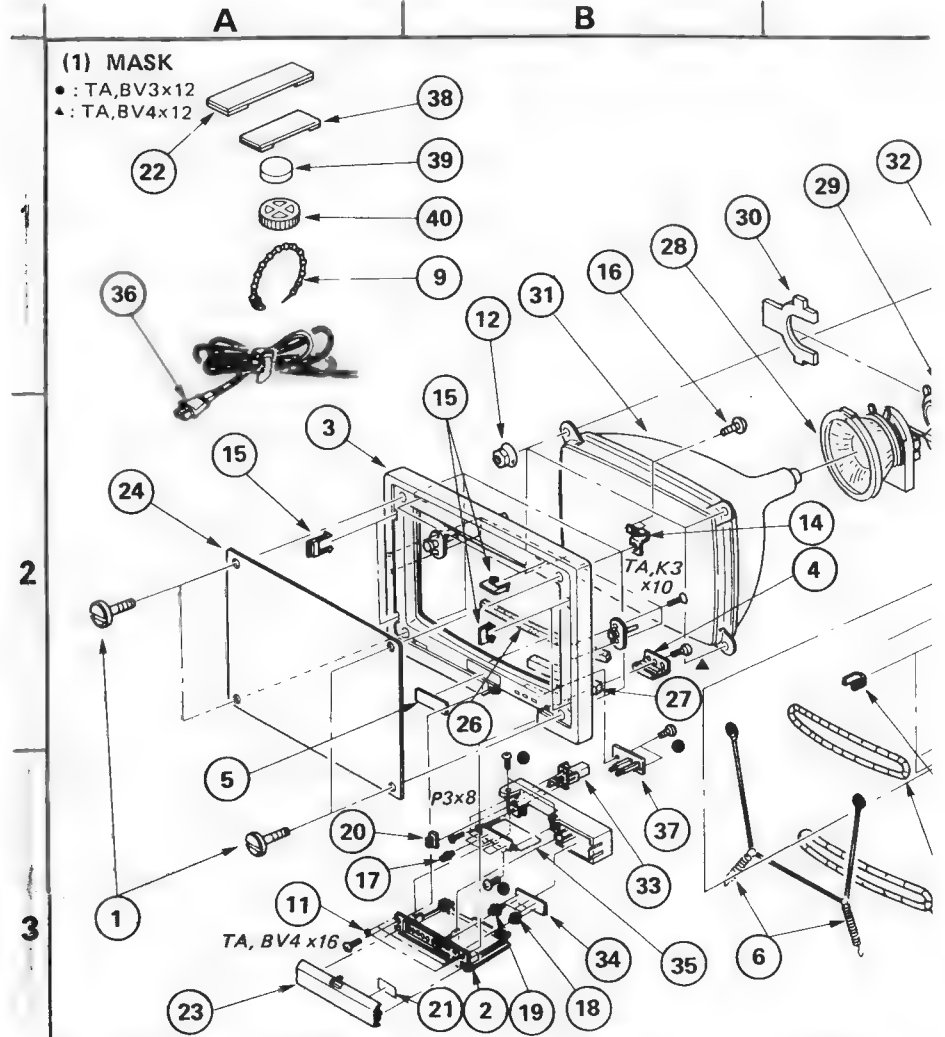
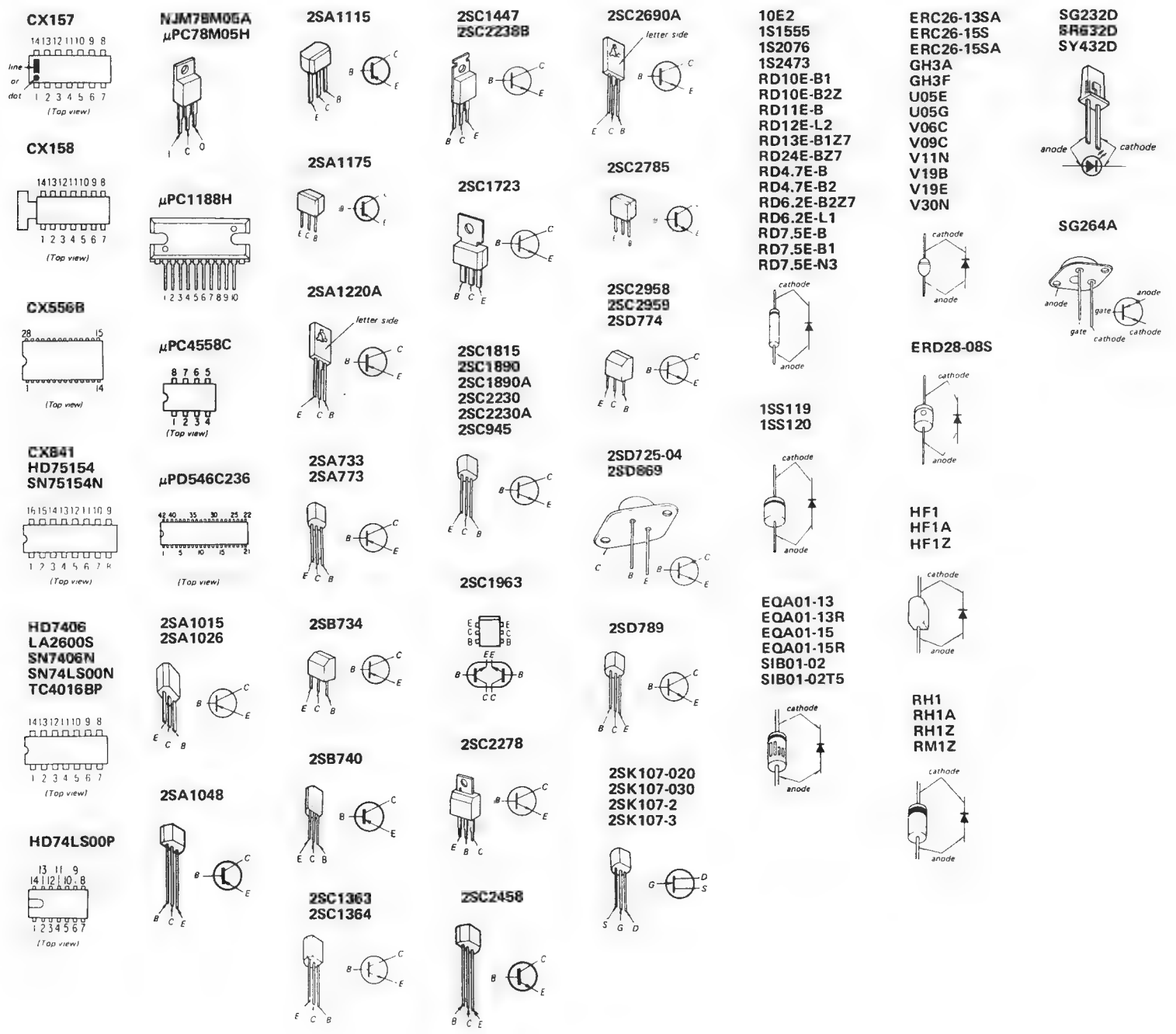
CAUTION:
This set is equipped with the plug is with specified part number.



CAUTION:
This set is equipped with a polarized AC power cord plug (one blade of the plug is wider than the other), be sure to use it having the specified part number and connect it as shown in this diagram.

CAUTION
When replacing either transistor Q1519 or Q1520, coincide hFE ranks of them.
hFE Ra

4-3. SEMICONDUCTORS

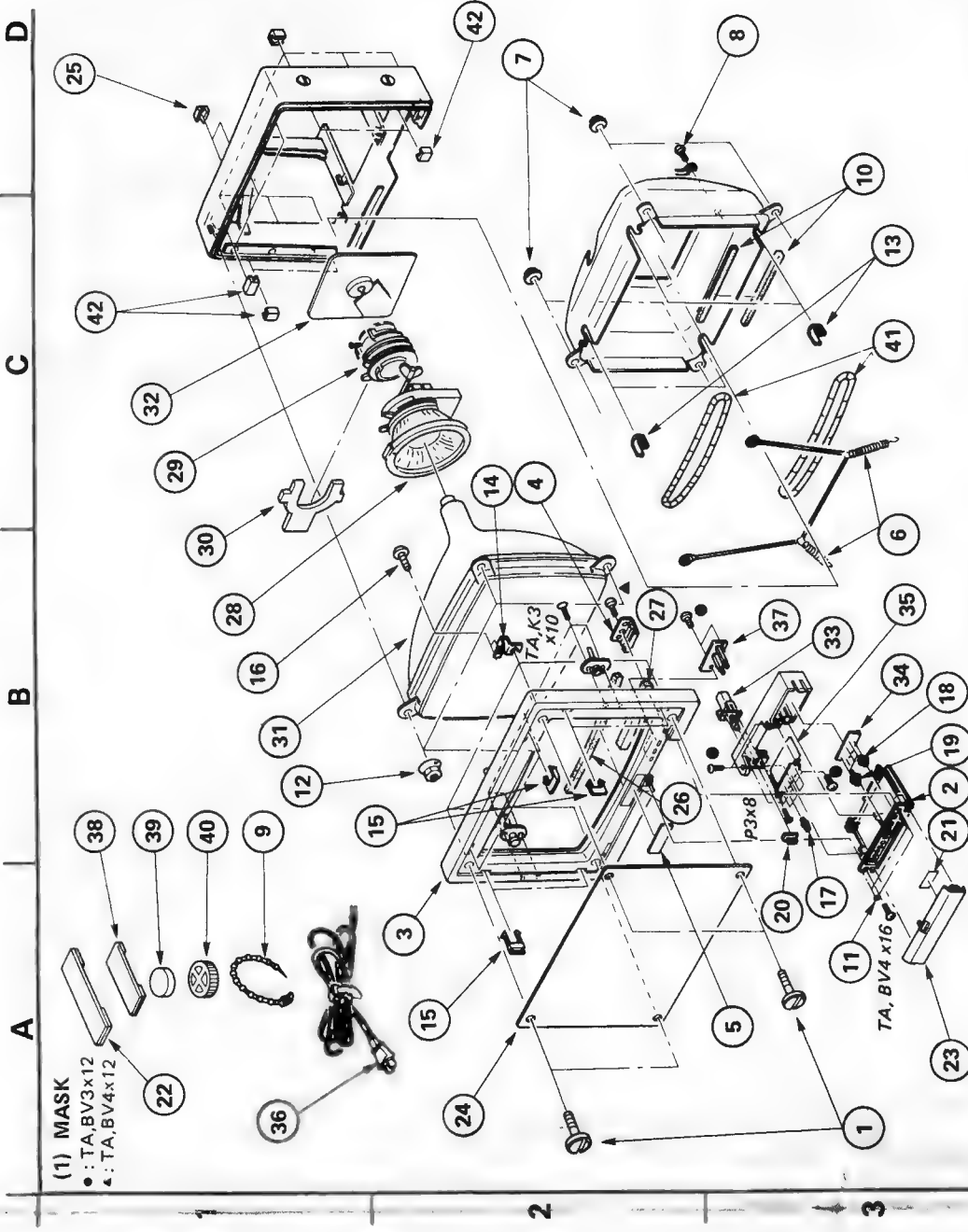


No.	Part No	Description	Remark	No.	Part No	Description
1	X-433-680-50	SCREW, ORNAMENTAL		22	X-4306-312-0	PI
2	X-4354-301-0	PANEL ASSY, CONTROL		23	4-342-018-00	DI
3	X-4342-004-5	BEZEL ASSY	4,5,14,15, 16,26,27	24	4-342-019-00	FI
4	X-4342-008-0	RETAINER ASSY, FILTER		25	4-860-518-11	PI
5	3-701-912-00	EMBLEM, SONY, (LARGE)		26	4-350-249-00	CI
6	4-303-774-XX	SPRING		27	4-342-053-00	CI
7	4-304-511-00	NUT, FLANGE		28	1-451-156-00	DI
8	4-305-021-00	SCREW, TAPPING, TERMINAL, +BV3X8		29	1-452-236-00	CI
9	4-308-870-00	CLIP, LEAD WIRE		30	1-452-146-00	MI
10	4-310-778-00	CUSHION (A), CRT		31	1-8-738-406-05	CI
11	4-316-264-11	CUSHION		32	1-A-1330-335-A	CI
12	4-330-305-00	NUT, SPECIAL		33	1-553-262-00	SI
13	4-330-306-00	BUSHING, CRT INSULATING		34	1-604-960-00	HI
14	4-341-905-00	NUT, PLATE (A)		35	1-604-961-00	HI
15	4-336-815-00	STOPPER, FILTER		36	1-551-478-11	CI
16	3-703-136-00	SCREW, TAPPING		37	1-604-845-00	Y
17	4-341-908-21	KNOB (B)		38	X-4308-815-0	PI
18	4-341-909-11	BUTTON (A)		39	1-452-032-00	MI
19	4-341-910-21	BUTTON (B)		40	1-452-094-00	MI
20	4-341-911-21	BUTTON (C)		41	1-426-059-21	CI
21	3-703-079-21	LABEL, COURTION (BACK)		42	4-858-803-11	PI

NOTE:

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- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

SECTION 5 EXPLODED VIEWS



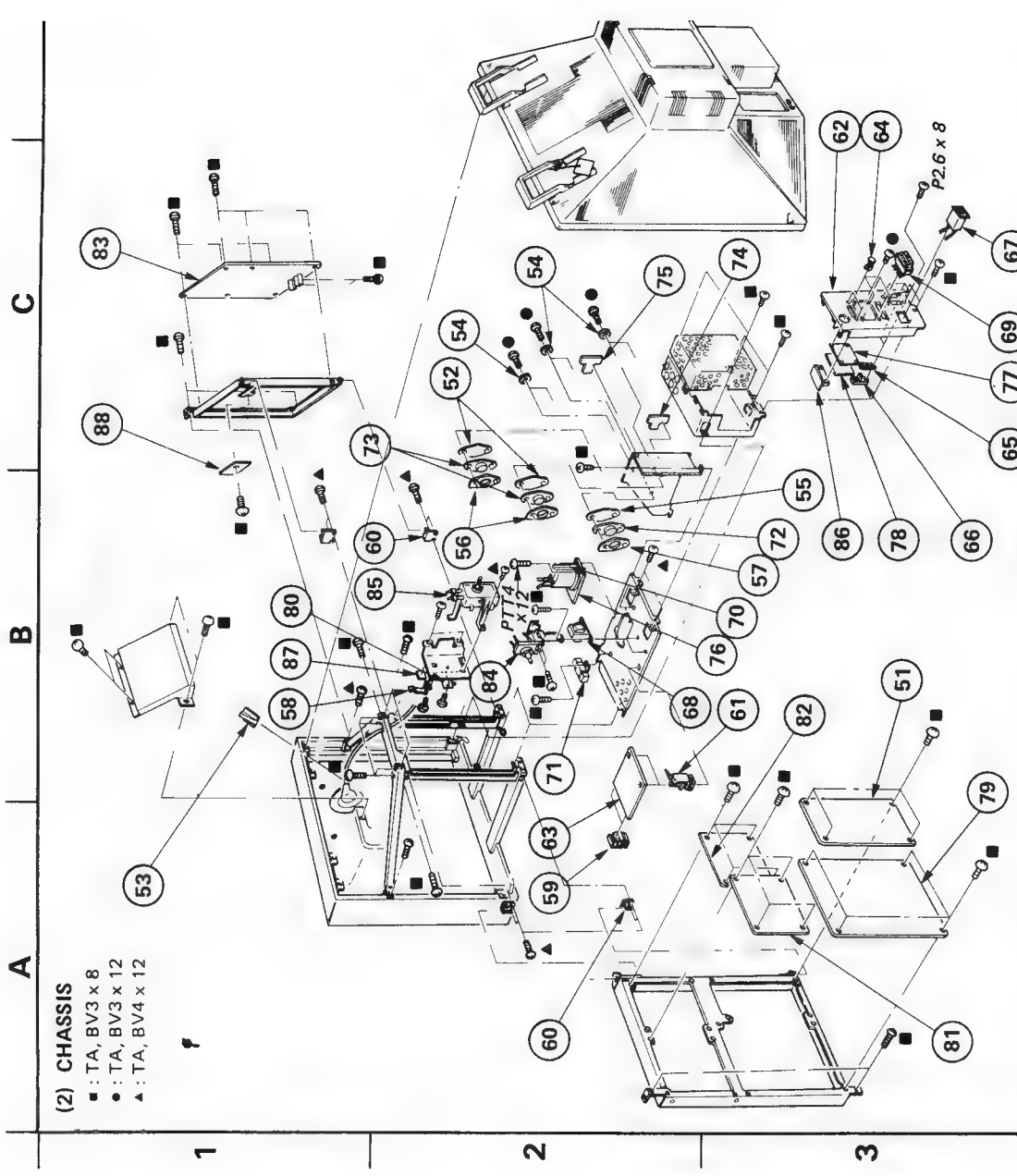
- (1) MASK
• : TA, BV3x12
• : TA, BV4x12

No.	Part No	Description	Remark
1	X-433-680-50	SCREW, ORNAMENTAL	
2	X-4354-301-0	PANEL ASSY, CONTROL	
3	X-4342-004-5	BEZEL ASSY	4, 5, 14, 15, 16, 26, 27
4	X-4342-008-0	RETAINER ASSY, FILTER	
5	3-701-912-00	EMBLEM, SONY, (LARGE)	
6	3-303-774-XX	SPRING	
7	4-304-511-00	NUT, FLANGE	
8	4-305-021-00	SCREW, TAPPING, TERMINAL, +BV3X8	
9	4-308-870-00	CLIP, LEAD WIRE	
10	4-310-778-00	CUSHION (A), CRT	
11	4-316-264-11	CUSHION	
12	4-330-305-00	NUT, SPECIAL	
13	4-330-306-00	BUSHING, CRT INSULATING	
14	4-341-905-00	NUT, PLATE (A)	
15	4-336-815-00	STOPPER, FILTER	
16	3-703-136-00	SCREW, TAPPING	
17	4-341-908-21	KNOB (B)	
18	4-341-909-11	BUTTON (A)	
19	4-341-910-21	BUTTON (B)	
20	4-341-911-21	BUTTON (C)	
21	3-703-079-21	LABEL, COURTION (BACK)	
22	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
23	4-342-018-00	DOOR, CONTROL	
24	4-342-019-00	FILTER	
25	4-860-518-11	PACKING, TWEETER	
26	4-350-249-00	CUSHION, CRT	
27	4-342-053-00	CUSHION (B)	
28	1-451-156-00	DEFLECTION YOKE, DY	
29	1-452-236-00	CRT NECK ASSY	
30	1-452-146-00	MAGNET, BMC	
31	8-738-406-01	CRT 800B22A	
32	A-1330-335-A	C BOARD, COMPLETE	
33	1-553-262-00	SWITCH, PUSH (POWER SWITCH)	
34	1-604-960-00	H1 BOARD	
35	1-604-961-00	H2 BOARD	
36	1-551-473-11	CORD, POWER	
37	1-604-845-00	Y BOARD	
38	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
39	1-452-032-00	MAGNET, DISC	
40	1-452-094-00	MAGNET, ROTATABLE DISK; 15mm	
41	1-426-059-21	COIL, DEGAUSSING, DGC	
42	4-858-803-11	PLATE, PREVENTION, REFLECTION	

NOTE: Items with no part number and no designation are not stocked because they are seldom required for routine service. The construction parts of an assembled part are indicated with a collation number in the remark column.

As to the part numbered with E-, refer to the electrical parts list. Items marked "E" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark "A" are critical for safety. Replace only with part number specified.



- (2) CHASSIS
• : TA, BV3x8
• : TA, BV3x12
• : TA, BV4x12

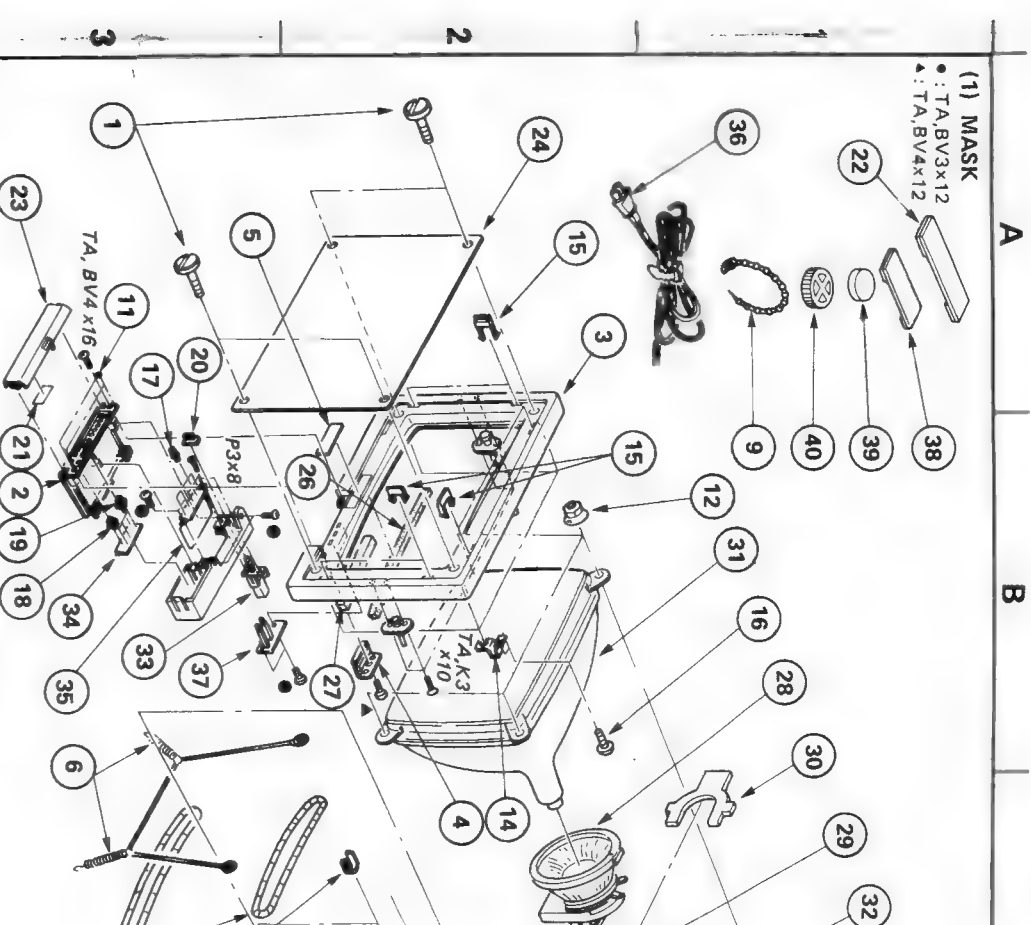
No.	Part No	Description	Remark
51	A-1130-160-A	BD BOARD, COMPLETE	
52	3-701-353-00	SPACER, MICA	
53	3-703-003-00	SPACER, DY	
54	3-703-320-00	BUSHING (A), TRANSISTOR	
55	4-303-844-00	SPACER, MICA (4) MD-17	
56	4-314-938-01	RETAINER (TO-3), TRANSISTOR	
57	4-309-762-00	RETAINER (MD-17), TRANSISTOR	
58	4-327-002-00	REG. HOLD	
59	3-659-682-00	HOLDER, PC BOARD	
60	4-342-010-00	HINGE, LOWER	
61	3-703-141-00	HOLDER, PCB	
62	4-354-314-00	BOARD, TERMINAL	
63	1-606-053-00	F BOARD	
64	4-812-134-11	RIVET NYLON, 3.5	
65	4-342-079-00	SPACER	
66	1-514-524-00	SLIDE SWITCH	
67	A-1-561-347-00	OUTLET, AC	
68	A-1-447-120-00	TRANSFORMER, POWER-PT	
69	1-536-600-00	TERMINAL, PUSH	
70	A-1-439-276-00	TRANSFORMER ASSY, FLYBACK, PRT	
71	A-1-217-618-00	RES. WIREWOUND 1.2 (15)	
72	A-8-726-420-00	THYRISTOR SG-264A	
73	A-8-729-372-53	TRANSISTOR 2N0725-04	
74	1-602-172-00	X1 BOARD	
75	1-602-173-00	X2 BOARD	
76	1-602-171-00	P BOARD	
77	1-536-693-00	TERMINAL BOARD, CONNECTOR	
78	1-606-092-00	U1 BOARD	
79	A-1135-136-A	BA BOARD, COMPLETE	
80	1-601-981-00	Z BOARD, COMPLETE	
81	A-1280-099-A	N BOARD, COMPLETE	
82	A-1380-072-A	K BOARD, COMPLETE	
83	A-1345-330-A	D BOARD, COMPLETE	
84	A-1-215-066-21	RES. ASSY, HIGH-VOLTAGE, HVR	
85	A-1-228-484-00	RESISTOR ASSY, HIGH-VOLTAGE, HVR	
86	1-606-048-00	U2 BOARD	
87	4-342-013-00	SPACER, MICA	
88	A-1345-363-A	F BOARD, COMPLETE	

NOTE: Items with no part number and no designation are not stocked because they are seldom required for routine service. The construction parts of an assembled part are indicated with a collation number in the remark column.

As to the part numbered with E-, refer to the electrical parts list. Items marked "E" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark "A" are critical for safety. Replace only with part number specified.

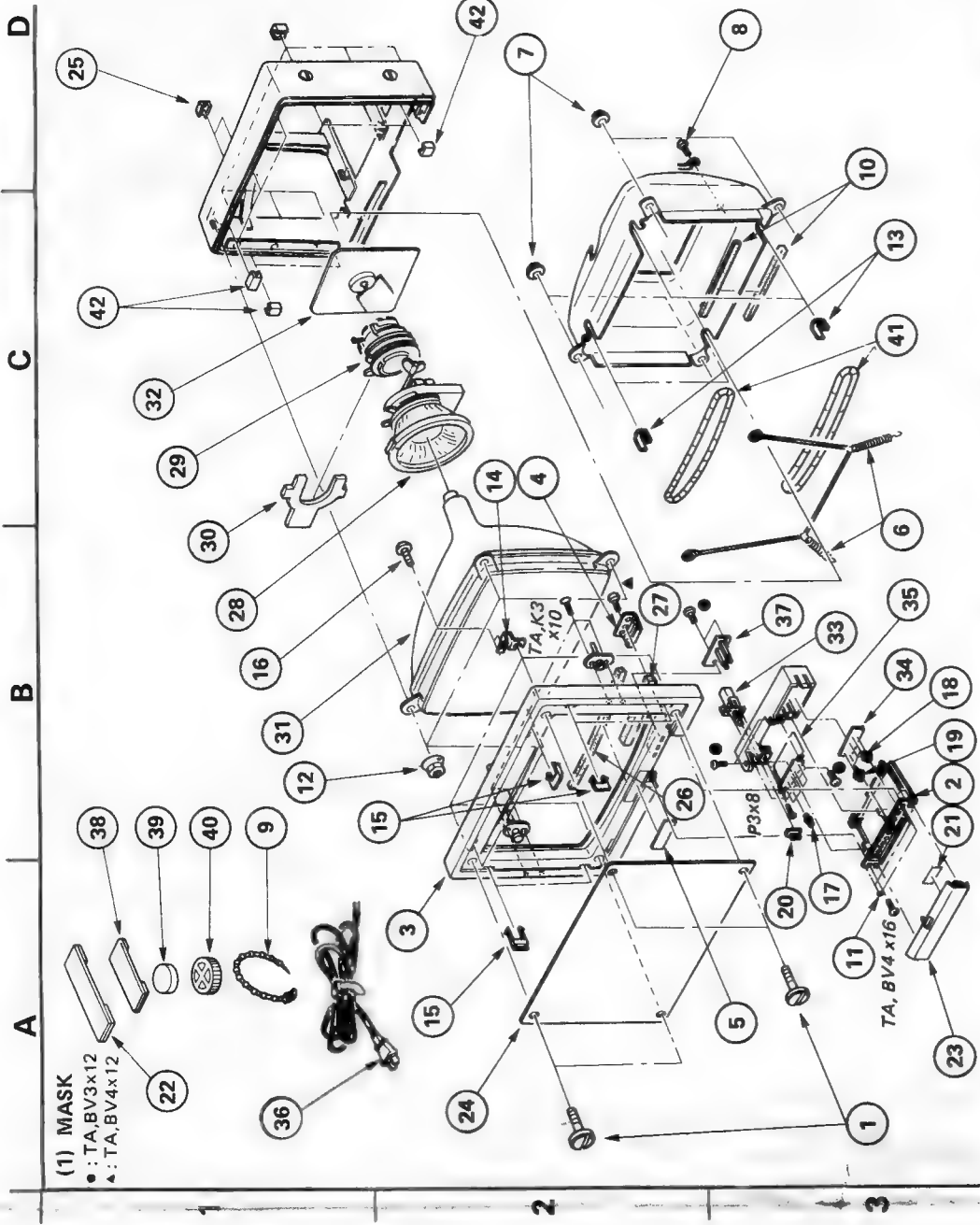
SECTION 5 EXPLODED VIEWS



NOTE:

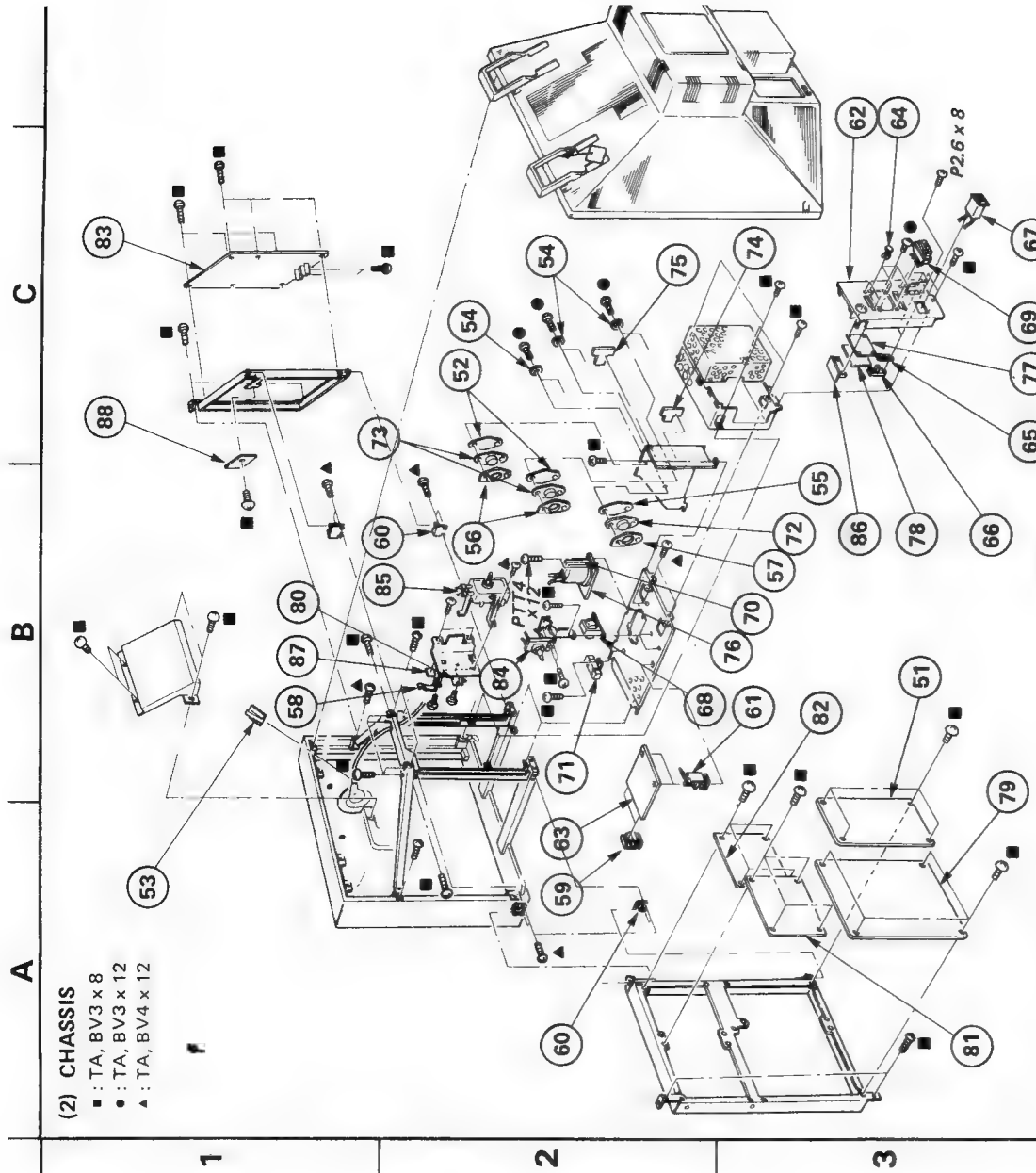
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-9, reference the electrical parts list.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

SECTION 5 EXPLODED VIEWS



No.	Part No	Description	No.	Part No	Description	No.	Part No	Description
1	X-433-680-50	SCREW, ORNAMENTAL	22	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	51	A-1130-160-A	BD BOARD, COMPLETE
2	X-4354-301-0	PANEL ASSY, CONTROL	23	4-342-018-00	DOOR, CONTROL	52	3-701-353-00	SPACER, MICA
3	X-4342-004-5	BEZEL ASSY	24	4-342-019-00	FILTER	53	3-703-003-00	SPACER, DY
4	X-4342-008-0	RETAINER ASSY, FILTER	25	4-860-518-11	PACKING, TWEETER	54	3-703-320-00	BUSHING (A), TRANSISTOR
5	3-701-912-00	EMBLEM, SONY, (LARGE)	26	4-350-249-00	CUSHION, CRT	55	4-303-844-00	SPACER, MICA (4) MD-17
6	4-303-774-XX	SPRING	27	4-342-053-00	CUSHION (B)	56	4-314-938-01	RETAINER (TO-3), TRANSISTOR
7	4-304-511-00	NUT, FLANGE	28	A-1-451-156-00	DEFLECTION YOKE, DY	57	4-309-762-00	REG HOLD
8	4-305-021-00	SCREW, TAPPING, TERMINAL, +BV3X8	29	A-1-452-236-80	CRT NECK ASSY	58	4-327-002-00	HOLDER, PC BOARD
9	4-308-870-00	CLIP, LEAD WIRE	30	1-452-146-00	MAGNET, BMC	59	3-659-682-00	HOLDER, LOWER
10	4-310-778-00	CUSHION (A), CRT	31	A-1-452-146-00	CRT 800B22A	60	4-342-010-00	HINGE, LOWER
11	4-316-264-11	CUSHION	32	A-1-453-262-00	SWITCH, PUSH (POWER SWITCH)	61	3-703-141-00	HOLDER, PCB
12	4-330-305-00	NUT, SPECIAL	33	A-1-604-960-00	H1 BOARD	62	4-354-314-00	BOARD, TERMINAL
13	4-330-306-00	BUSHING, CRT INSULATING	34	A-1-604-961-00	H2 BOARD	63	4-1-606-053-00	F BOARD
14	4-341-905-00	NUT, PLATE (A)	35	A-1-551-478-11	CORD, POWER	64	4-812-134-11	RIVET NYLON, 3, 5
15	4-336-815-00	STOPPER, FILTER	36	A-1-604-845-00	Y BOARD	65	4-342-079-00	SPACER
16	3-703-136-00	SCREW, TAPPING	37	X-4308-815-00	PERMALLOY ASSY, CONVERGENCE	66	1-514-524-00	SLIDE SWITCH
17	4-341-908-21	KNOB (B)	38	1-452-032-00	MAGNET, DISC	67	A-1-561-347-00	OUTLET, AC
18	4-341-909-11	BUTTON (A)	39	1-452-032-00	MAGNET, DISC	68	A-1-447-120-00	TRANSFORMER, POWER PT
19	4-341-910-21	BUTTON (B)	40	1-452-094-00	MAGNET, ROTATABLE DISK, 15mm Ø	69	1-536-600-00	TERMINAL, PUSH
20	4-341-911-21	BUTTON (C)	41	A-1-426-059-21	COIL, DEGAUSSING, DGC	70	A-1-439-276-00	TRANSFORMER ASSY, POWER TEST
21	3-703-079-21	LABEL, COURTION (BACK)	42	4-858-803-11	PLATE, PREVENTION, REFLECTION			

NOTE:
 • Items with no part number and no description are not stocked because they are seldom required for routine service.
 • The construction parts of an assembled part are indicated with a collation number in the remark column.
 • As to the part numbered with E-, refer to the electrical parts list.
 • Items marked "A" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No	Description	No.	Part No	Description
71	A-1-217-618-00	RES, WIREWOUND 1.2 (15)	77	1-536-693-00	TERMINAL BOARD, CONNECTOR
72	A-8-726-420-00	THYRISTOR SC-264A	78	1-606-092-00	UI BOARD
73	A-8-729-372-53	TRANSISTOR 2N5725-04	79	A-1135-136-A	BA BOARD, COMPLETE
74	1-602-172-00	X1 BOARD	80	1-601-981-00	Z BOARD, COMPLETE
75	1-602-173-00	X2 BOARD	81	A-1280-099-A	N BOARD, COMPLETE
76	1-602-171-00	P BOARD	82	A-1380-072-A	K BOARD, COMPLETE
77	1-536-693-00	TERMINAL BOARD, CONNECTOR	83	A-1345-330-A	D BOARD, COMPLETE
78	1-606-092-00	UI BOARD	84	A-1-215-066-21	RES ASSY, HIGH-VOLTAGE, HVR
79	A-1135-136-A	BA BOARD, COMPLETE	85	A-1-228-484-00	RESISTOR ASSY, HIGH-VOLTAGE, HVR
80	1-601-981-00	Z BOARD, COMPLETE	86	1-606-048-00	U2 BOARD
81	A-1280-099-A	N BOARD, COMPLETE	87	4-342-013-00	SPACER, MICA
82	A-1380-072-A	K BOARD, COMPLETE	88	A-1345-363-A	I BOARD, COMPLETE
83	A-1345-330-A	D BOARD, COMPLETE			
84	A-1-215-066-21	RES ASSY, HIGH-VOLTAGE, HVR			
85	A-1-228-484-00	RESISTOR ASSY, HIGH-VOLTAGE, HVR			
86	1-606-048-00	U2 BOARD			
87	4-342-013-00	SPACER, MICA			
88	A-1345-363-A	I BOARD, COMPLETE			

NOTE:
 • Items with no part number and no description are not stocked because they are seldom required for routine service.
 • The construction parts of an assembled part are indicated with a collation number in the remark column.
 • As to the part numbered with E-, refer to the electrical parts list.
 • Items marked "A" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

B	C	D
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χ^2

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

(2) CHASSIS



20. 20-1-43-276-00 TRANSFORMER ASSY, 110VAC, 1RT.

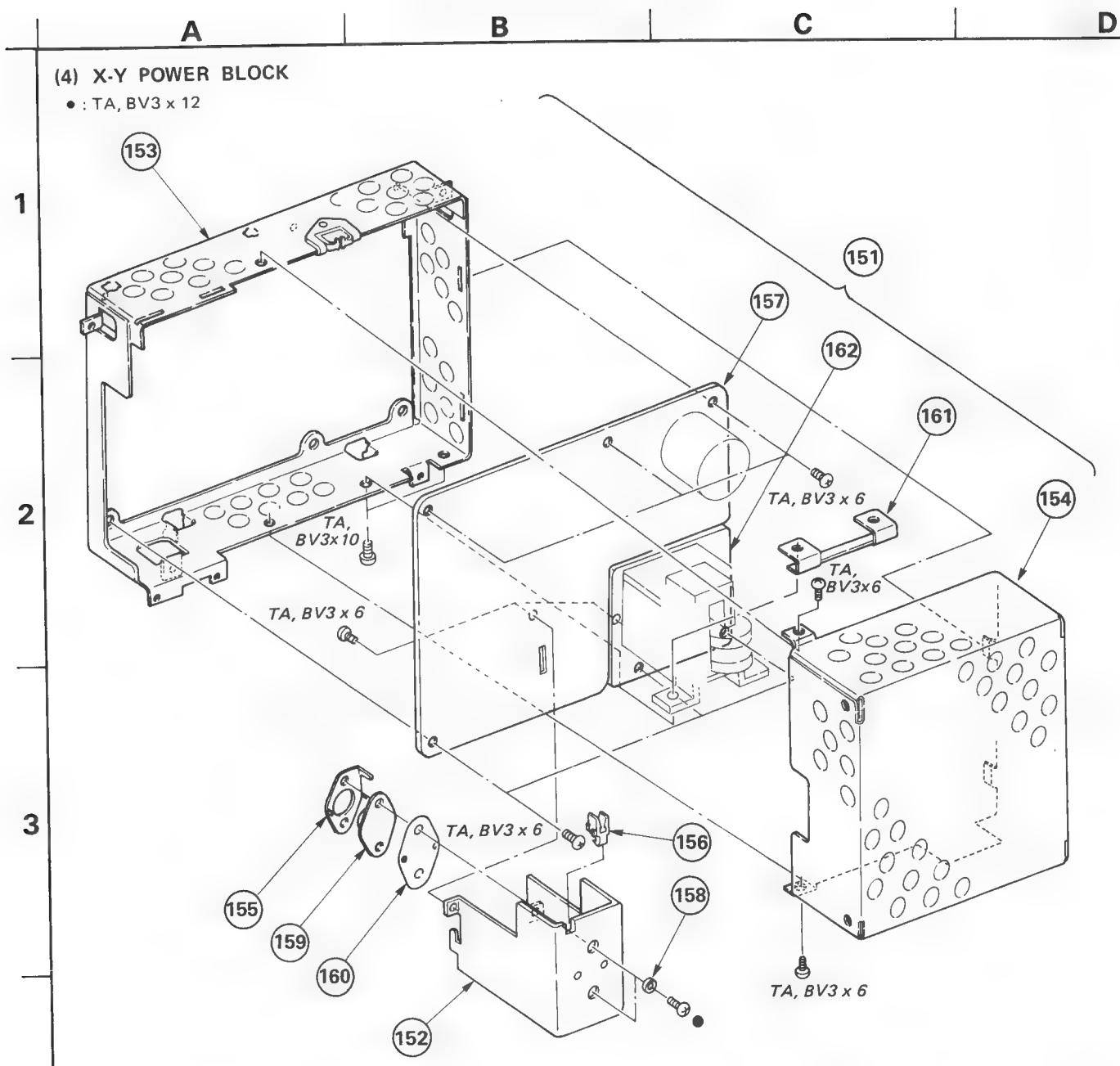
As to the part numbered with E-, refer to the electrical parts list. Items marked "◆" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

(3) CABINET
■ : TA, BV3×8
▲ : TA, BV4×12

118

- As to the part numbered the electrical parts list
- Items marked "♦" are they are seldom required service. Some delay shown when ordering these items



No.	Part No	Description	Remark	No.	Part No	Description	Remark
151	▲:1-413-084-00	POWER BLOCK, X-Y	152,153,154,155, 156,157,158,159, 160,161,162	156	4-333-157-00	RETAINER, AC CORD	
152	▲:3-706-519-00	HEAT SINK, REG		157	▲:1-605-977-21	PC BOARD, GA	
153	▲:3-706-520-00	BRACKET, G PC BOARD		158	3-703-320-00	BUSHING (A), TRANSISTOR	
154	▲:3-706-521-00	CASE, SHIELD, G BLOCK		159	8-729-286-91	TRANSISTOR 2SD869-1	
155	▲:4-307-456-00	HOLDER, (TO-3)		160	3-701-353-00	SPACER, MICA	
				161	▲:3-706-518-00	HOLDER, POT	
				162	▲:1-605-978-21	PC BOARD, GB	

NOTE:

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- The construction parts of an assembled part are indicated with a collation number in the remark column.

- As to the part numbered with E-, refer to the electrical parts list.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.


The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SECTION 6

ELECTRICAL PARTS LIST

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
♣:A-1130-160-A	BD BOARD, COMPLETE	*****		C1342	1-123-328-00	ELECT 4.7MF	20% 25V
				C1343	1-123-381-00	ELECT 2.2MF	20% 50V
♣:1-508-784-00	1P PLUG			C1344	1-123-380-00	ELECT 1MF	20% 50V
♣:1-508-786-00	2P PLUG (M)			C1345	1-101-003-00	CERAMIC 0.0047MF	50V
♣:1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P			C1346	1-102-125-00	CERAMIC 0.0047MF	10% 50V
♣:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P			C1347	1-101-003-00	CERAMIC 0.0047MF	50V
♣:1-560-156-00	PLUG, CONNECTOR (2.5MM PITCH)			C1349	1-101-003-00	CERAMIC 0.0047MF	50V
1-555-965-41	CONNECTOR ASSY (2.5MM) 5P			C1350	1-102-125-00	CERAMIC 0.0047MF	10% 50V
1-555-965-31	CONNECTOR ASSY (2.5MM) 5P			C1351	1-108-579-00	MYLAR 0.01MF	5% 50V
1-556-103-41	CONNECTOR ASSY (2.5MM) 4P			C1352	1-108-579-00	MYLAR 0.01MF	5% 50V
CAPACITOR				C1353	1-108-579-00	MYLAR 0.01MF	5% 50V
C1301	1-101-003-00	CERAMIC 0.0047MF	50V	C1359	1-101-003-00	CERAMIC 0.0047MF	50V
C1302	1-101-003-00	CERAMIC 0.0047MF	50V	C1360	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C1303	1-101-003-00	CERAMIC 0.0047MF	50V	DIODE			
C1304	1-101-003-00	CERAMIC 0.0047MF	50V	D1301=>8-719-911-19	DIODE 1SS119		
C1305	1-101-003-00	CERAMIC 0.0047MF	50V	D1302=>8-719-911-19	DIODE 1SS119		
C1306	1-121-806-00	ELECT 10MF	16V	D1303=>8-719-911-19	DIODE 1SS119		
C1307	1-101-003-00	CERAMIC 0.0047MF	50V	D1304=>8-719-911-19	DIODE 1SS119		
C1308	1-121-806-00	ELECT 10MF	16V	D1305=>8-719-911-19	DIODE 1SS119		
C1309	1-101-003-00	CERAMIC 0.0047MF	50V	D1306=>8-719-911-19	DIODE 1SS119		
C1310	1-121-806-00	ELECT 10MF	16V	D1307=>8-719-911-19	DIODE 1SS119		
C1311	1-101-003-00	CERAMIC 0.0047MF	50V	D1308=>8-719-911-19	DIODE 1SS119		
C1312	1-102-824-00	CERAMIC 430PF	5% 50V	D1309=>8-719-911-19	DIODE 1SS119		
C1313	1-102-820-00	CERAMIC 330PF	5% 50V	D1310=>8-719-911-19	DIODE 1SS119		
C1314	1-101-003-00	CERAMIC 0.0047MF	50V	D1311=>8-719-911-19	DIODE 1SS119		
C1315	1-101-003-00	CERAMIC 0.0047MF	50V	D1312=>8-719-911-19	DIODE 1SS119		
C1316	1-101-003-00	CERAMIC 0.0047MF	50V	D1313=>8-719-911-19	DIODE 1SS119		
C1317	1-123-380-00	ELECT 1MF	20% 50V	D1314=>8-719-911-19	DIODE 1SS119		
C1318	1-123-380-00	ELECT 1MF	20% 50V	D1315=>8-719-911-19	DIODE 1SS119		
C1319	1-123-380-00	ELECT 1MF	20% 50V	D1316=>8-719-911-19	DIODE 1SS119		
C1320	1-123-328-00	ELECT 4.7MF	20% 25V	D1317=>8-719-911-19	DIODE 1SS119		
C1321	1-123-332-00	ELECT 47MF	20% 16V	D1318=>8-719-911-19	DIODE 1SS119		
C1322	1-101-003-00	CERAMIC 0.0047MF	50V	D1319=>8-719-911-19	DIODE 1SS119		
C1324	1-123-318-00	ELECT 33MF	20% 16V	D1320=>8-719-911-19	DIODE 1SS119		
C1325	1-123-333-00	ELECT 100MF	20% 25V	D1321=>8-719-911-19	DIODE 1SS119		
C1326	1-102-125-00	CERAMIC 0.0047MF	10% 50V	D1322=>8-719-931-13	DIODE EQB01-13		
C1327	1-123-332-00	ELECT 47MF	20% 16V	D1323 8-719-100-43	DIODE RD7.5EB1		
C1328	1-101-003-00	CERAMIC 0.0047MF	50V	D1324=>8-719-911-19	DIODE 1SS119		
C1329	1-123-332-00	ELECT 47MF	20% 16V	D1325=>8-719-911-19	DIODE 1SS119		
C1330	1-123-380-00	ELECT 1MF	20% 50V	D1326 8-719-175-07	DIODE RD7.5E-B		
C1331	1-102-978-00	CERAMIC 220PF	5% 50V	D1327 8-719-175-07	DIODE RD7.5E-B		
C1332	1-102-978-00	CERAMIC 220PF	5% 50V	D1328 8-719-175-07	DIODE RD7.5E-B		
C1333	1-102-978-00	CERAMIC 220PF	5% 50V	D1329 8-719-175-07	DIODE RD7.5E-B		
C1334	1-101-003-00	CERAMIC 0.0047MF	50V	D1330 8-719-175-07	DIODE RD7.5E-B		
C1335	1-123-333-00	ELECT 100MF	20% 16V	D1331 8-719-175-07	DIODE RD7.5E-B		
C1336	1-108-373-00	MYLAR 0.0047MF	10% 100V	D1332 8-719-175-07	DIODE RD7.5E-B		
C1337	1-123-328-00	ELECT 4.7MF	20% 25V	D1336 8-719-100-36	DIODE RD5.6E-B3		
C1338	1-108-373-00	MYLAR 0.0047MF	10% 100V	IC			
C1339	1-123-328-00	ELECT 4.7MF	20% 25V	IC1301	8-759-352-54	IC HD75154	
C1340	1-108-373-00	MYLAR 0.0047MF	10% 100V	IC1302	8-759-374-06	IC SN7406N	
C1341	1-101-001-00	CERAMIC 0.001MF	50V	IC1303	8-759-374-00	IC HD74LS00P	
				IC1304	8-759-170-05	IC UPC78M05H	

NOTE :

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- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μF , PF : $\mu\mu F$

RESISTORS

- All resistors are in ohms
- F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
<u>CONNECTOR</u>							
N7	1-556-016-81	CONNECTOR ASSY (2.5MM) 3P		R1302	1-246-489-00	CARBON 4.7K 5% 1/4W	
N8	1-555-958-41	CONNECTOR ASSY (2.5MM) 2P		R1303	1-246-446-00	CARBON 75 5% 1/4W	
<u>TRANSISTOR</u>				R1304	1-246-473-00	CARBON 1K 5% 1/4W	
Q1301	8-729-178-54	TRANSISTOR 2SC2785		R1305	1-246-501-00	CARBON 15K 5% 1/4W	
Q1302	8-729-178-54	TRANSISTOR 2SC2785		R1306	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1303	8-729-178-54	TRANSISTOR 2SC2785		R1307	1-246-446-00	CARBON 75 5% 1/4W	
Q1304	8-729-178-54	TRANSISTOR 2SC2785		R1308	1-246-473-00	CARBON 1K 5% 1/4W	
Q1305	8-729-178-54	TRANSISTOR 2SC2785		R1309	1-246-501-00	CARBON 15K 5% 1/4W	
Q1306	8-729-178-54	TRANSISTOR 2SC2785		R1310	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1307	8-729-178-54	TRANSISTOR 2SC2785		R1311	1-246-446-00	CARBON 75 5% 1/4W	
Q1308	8-729-178-54	TRANSISTOR 2SC2785		R1312	1-246-473-00	CARBON 1K 5% 1/4W	
Q1309	8-729-178-54	TRANSISTOR 2SC2785		R1313	1-246-501-00	CARBON 15K 5% 1/4W	
Q1310	8-729-178-54	TRANSISTOR 2SC2785		R1314	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1311	8-729-178-54	TRANSISTOR 2SC2785		R1315	1-246-446-00	CARBON 75 5% 1/4W	
Q1312	8-729-117-54	TRANSISTOR 2SA1175		R1316	1-246-473-00	CARBON 1K 5% 1/4W	
Q1313	8-729-117-54	TRANSISTOR 2SA1175		R1317	1-246-501-00	CARBON 15K 5% 1/4W	
Q1314	8-729-117-54	TRANSISTOR 2SA1175		R1318	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1315	8-725-800-00	TRANSISTOR 2SC1128		R1319	1-246-446-00	CARBON 75 5% 1/4W	
Q1316	8-725-800-00	TRANSISTOR 2SC1128		R1320	1-246-473-00	CARBON 1K 5% 1/4W	
Q1317	8-725-800-00	TRANSISTOR 2SC1128		R1321	1-246-497-00	CARBON 10K 5% 1/4W	
Q1318	8-729-178-54	TRANSISTOR 2SC2785		R1322	1-246-481-00	CARBON 2.2K 5% 1/4W	
Q1319	8-729-178-54	TRANSISTOR 2SC2785		R1323	1-213-127-00	METAL 47 5% 1W F	
Q1320	8-729-117-54	TRANSISTOR 2SA1175		R1324	1-246-449-00	CARBON 100 5% 1/4W	
Q1321	8-729-178-54	TRANSISTOR 2SC2785		R1325	1-246-473-00	CARBON 1K 5% 1/4W	
Q1322	8-729-178-54	TRANSISTOR 2SC2785		R1326	1-246-473-00	CARBON 1K 5% 1/4W	
Q1323	8-729-117-54	TRANSISTOR 2SA1175		R1327	1-246-449-00	CARBON 100 5% 1/4W	
Q1324	8-729-117-54	TRANSISTOR 2SA1175		R1328	1-246-473-00	CARBON 1K 5% 1/4W	
Q1325	8-729-178-54	TRANSISTOR 2SC2785		R1329	1-246-473-00	CARBON 1K 5% 1/4W	
Q1326	8-729-178-54	TRANSISTOR 2SC2785		R1330	1-246-449-00	CARBON 100 5% 1/4W	
Q1327	8-729-178-54	TRANSISTOR 2SC2785		R1331	1-246-473-00	CARBON 1K 5% 1/4W	
Q1328	8-729-178-54	TRANSISTOR 2SC2785		R1332	1-246-473-00	CARBON 1K 5% 1/4W	
Q1329	8-729-178-54	TRANSISTOR 2SC2785		R1333	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1330	8-729-178-54	TRANSISTOR 2SC2785		R1334	1-246-505-00	CARBON 22K 5% 1/4W	
Q1331	8-729-178-54	TRANSISTOR 2SC2785		R1335	1-246-473-00	CARBON 1K 5% 1/4W	
Q1332	8-729-117-54	TRANSISTOR 2SA1175		R1336	1-246-501-00	CARBON 15K 5% 1/4W	
Q1333	8-729-117-54	TRANSISTOR 2SA1175		R1337	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1334	8-729-117-54	TRANSISTOR 2SA1175		R1338	1-246-473-00	CARBON 1K 5% 1/4W	
Q1335	8-729-178-54	TRANSISTOR 2SC2785		R1339	1-246-473-00	CARBON 1K 5% 1/4W	
Q1336	8-729-178-54	TRANSISTOR 2SC2785		R1340	1-246-457-00	CARBON 220 5% 1/4W	
Q1337	8-729-178-54	TRANSISTOR 2SC2785		R1341	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1338	8-729-178-54	TRANSISTOR 2SC2785		R1342	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1339	8-729-117-54	TRANSISTOR 2SA1175		R1343	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1340	8-729-117-54	TRANSISTOR 2SA1175		R1344	1-246-501-00	CARBON 15K 5% 1/4W	
Q1341	8-729-178-54	TRANSISTOR 2SC2785		R1345	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1342	8-729-177-43	TRANSISTOR 2SD774		R1346	1-246-497-00	CARBON 10K 5% 1/4W	
Q1343	8-729-177-43	TRANSISTOR 2SD774		R1347	1-246-473-00	CARBON 1K 5% 1/4W	
Q1344	8-729-117-54	TRANSISTOR 2SA1175F		R1348	1-246-507-00	CARBON 27K 5% 1/4W	
<u>RESISTOR</u>				R1349	1-246-537-00	CARBON 470K 5% 1/4W	
R1301	1-246-501-00	CARBON 15K 5% 1/4W		R1350	1-246-473-00	CARBON 1K 5% 1/4W	
				R1351	1-246-493-00	CARBON 6.8K 5% 1/4W	
				R1352	1-246-507-00	CARBON 27K 5% 1/4W	
				R1353	1-246-537-00	CARBON 470K 5% 1/4W	
				R1354	1-246-473-00	CARBON 1K 5% 1/4W	

NOTE:

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CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description				Remark	Ref.No	Part No	Description				Remark
R1355	1-246-513-00	CARBON	47K	5%	1/4W		R1409	1-217-371-00	FUSIBLE	0.47	5%	1/4W	F
R1356	1-246-475-00	CARBON	1.2K	5%	1/4W		R1410	1-246-457-00	CARBON	220	5%	1/4W	
R1357	1-246-461-00	CARBON	330	5%	1/4W		R1465	1-246-471-00	CARBON	820	5%	1/4W	
R1358	1-246-461-00	CARBON	330	5%	1/4W		R1481	1-246-471-00	CARBON	820	5%	1/4W	
R1359	1-246-461-00	CARBON	330	5%	1/4W		VARIABLE RESISTOR						
R1360	1-246-465-00	CARBON	470	5%	1/4W		RV1301	1-224-641-XX	RES, ADJ, CARBON	470			
R1361	1-246-465-00	CARBON	470	5%	1/4W		RV1302	1-224-641-XX	RES, ADJ, CARBON	470			
R1362	1-246-465-00	CARBON	470	5%	1/4W		*****						
R1363	1-213-131-00	METAL	100	5%	1W	F	♣:A-1135-136-A BA BOARD, COMPLETE						
R1364	1-246-489-00	CARBON	4.7K	5%	1/4W		*****						
R1365	1-246-507-00	CARBON	27K	5%	1/4W		1-141-181-11 CAP, TRIMMER						
R1366	1-246-493-00	CARBON	6.8K	5%	1/4W		♣:1-508-784-00 1P PLUG						
R1367	1-246-471-00	CARBON	820	5%	1/4W		♣:1-509-832-00 CONNECTOR ASSY, 1P						
R1368	1-246-483-00	CARBON	2.7K	5%	1/4W		CONNECTOR						
R1369	1-246-473-00	CARBON	1K	5%	1/4W		B1	♣:1-560-123-00	PLUG, CONNECTOR (2.5MM)	3P			
R1370	1-246-501-00	CARBON	15K	5%	1/4W		B2	♣:1-560-123-00	PLUG, CONNECTOR (2.5MM)	3P			
R1371	1-246-485-00	CARBON	3.3K	5%	1/4W		B4	♣:1-560-123-00	PLUG, CONNECTOR (2.5MM)	3P			
R1372	1-246-457-00	CARBON	220	5%	1/4W		B6	♣:1-560-125-00	PLUG, CONNECTOR (2.5MM)	5P			
R1373	1-246-457-00	CARBON	220	5%	1/4W		B7	♣:1-560-125-00	PLUG, CONNECTOR (2.5MM)	5P			
R1374	1-246-475-00	CARBON	1.2K	5%	1/4W		B8	♣:1-560-123-00	PLUG, CONNECTOR (2.5MM)	3P			
R1375	1-246-477-00	CARBON	1.5K	5%	1/4W		B10	♣:1-560-124-00	PLUG, CONNECTOR (2.5MM)	4P			
R1376	1-246-475-00	CARBON	1.2K	5%	1/4W		BA3	♣:1-508-766-00	4P PLUG (M)				
R1377	1-246-477-00	CARBON	1.5K	5%	1/4W		BA5	1-555-958-31	CONNECTOR ASSY (2.5MM)	2P			
R1378	1-246-475-00	CARBON	1.2K	5%	1/4W		BA5	♣:1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)				
R1379	1-246-477-00	CARBON	1.5K	5%	1/4W		BA9	♣:1-560-126-00	PLUG, CONNECTOR (2.5MM)	6P			
R1380	1-246-465-00	CARBON	470	5%	1/4W		CAPACITOR						
R1381	1-246-465-00	CARBON	470	5%	1/4W		C301	1-123-333-00	ELECT	100MF	20%	25V	
R1382	1-246-465-00	CARBON	470	5%	1/4W		C302	1-123-333-00	ELECT	100MF	20%	25V	
R1383	1-246-493-00	CARBON	6.8K	5%	1/4W		C304	1-123-356-00	ELECT	10MF	20%	25V	
R1384	1-246-484-00	CARBON	3K	5%	1/4W		C305	1-102-973-00	CERAMIC	100PF	5%	50V	
R1385	1-246-473-00	CARBON	1K	5%	1/4W		C306	1-123-380-00	ELECT	1MF	20%	50V	
R1386	1-246-481-00	CARBON	2.2K	5%	1/4W		C307	1-123-380-00	ELECT	1MF	20%	50V	
R1387	1-246-475-00	CARBON	1.2K	5%	1/4W		C308	1-102-978-00	CERAMIC	220PF	5%	50V	
R1389	1-246-473-00	CARBON	1K	5%	1/4W		C309	1-123-380-00	ELECT	1MF	20%	50V	
R1390	1-246-473-00	CARBON	1K	5%	1/4W		C310	1-102-971-00	CERAMIC	82PF	5%	50V	
R1391	1-246-473-00	CARBON	1K	5%	1/4W		C312	1-102-973-00	CERAMIC	100PF	5%	50V	
R1392	1-246-457-00	CARBON	220	5%	1/4W		C313	1-102-978-00	CERAMIC	220PF	5%	50V	
R1393	1-246-457-00	CARBON	220	5%	1/4W		C314	1-102-858-00	CERAMIC	10PF	0.5PF	50V	
R1394	1-246-457-00	CARBON	220	5%	1/4W		C315	1-102-858-00	CERAMIC	10PF	0.5PF	50V	
R1395	1-246-457-00	CARBON	220	5%	1/4W		C316	1-123-380-00	ELECT	1MF	20%	50V	
R1396	1-246-497-00	CARBON	10K	5%	1/4W		C317	1-123-380-00	ELECT	1MF	20%	50V	
R1397	1-246-497-00	CARBON	10K	5%	1/4W		C318	1-108-381-00	MYLAR	0.022MF	10%	100V	
R1398	1-246-497-00	CARBON	10K	5%	1/4W		C319	1-108-385-00	MYLAR	0.047MF	10%	100V	
R1399	1-246-473-00	CARBON	1K	5%	1/4W		C320	1-108-369-00	MYLAR	0.0022MF	10%	100V	
R1400	1-246-457-00	CARBON	220	5%	1/4W		C321	1-102-973-00	CERAMIC	100PF	5%	50V	
R1401	1-246-481-00	CARBON	2.2K	5%	1/4W		C322	1-102-971-00	CERAMIC	82PF	5%	50V	
R1402	1-246-490-00	CARBON	5.1K	5%	1/4W		C323	1-123-380-00	ELECT	1MF	20%	50V	
R1403	1-246-499-00	CARBON	12K	5%	1/4W		C324	1-123-380-00	ELECT	1MF	20%	50V	
R1404	1-246-482-00	CARBON	2.4K	5%	1/4W		C325	1-123-318-00	ELECT	33MF	20%	16V	
R1405	1-213-125-00	METAL	33	5%	1W	F							
R1406	1-211-443-00	CARBON	470	5%	1/8W	F							
R1407	1-206-473-00	METAL	27	5%	2W	F							
R1408	1-246-501-00	CARBON	15K	5%	1/4W								

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CAPACITORS
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RESISTORS
* All resistors are in ohms
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COILS
* MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C326	1-123-356-00	ELECT	10MF 20% 25V	C455	1-101-361-00	CERAMIC 150PF 5% 50V	
C327	1-123-356-00	ELECT	10MF 20% 16V	C456	1-123-356-00	ELECT 10MF 20% 25V	
C328	1-123-380-00	ELECT	1MF 20% 50V	C457	1-102-965-00	CERAMIC 39P 10% 50V	
C329	1-123-380-00	ELECT	1MF 20% 50V	<u>FILTER</u>			
C330	1-123-356-00	ELECT	10MF 20% 50V	CF301	1-409-332-00	CERAMIC TRAP (4.5MHZ)	
C331	1-108-389-00	MYLAR	0.1MF 10% 100V	<u>TRIMER</u>			
C332	1-108-389-00	MYLAR	0.1MF 10% 100V	CT301	1-141-212-00	CAP, TRIMMER	
C333	1-108-378-00	MYLAR	0.012MF 10% 100V	<u>DIODE</u>			
C334	1-123-318-00	ELECT	33MF 20% 16V	D301 =>8-719-911-19	DIODE 1S119		
C335	1-123-333-00	ELECT	100MF 20% 25V	D302 =>8-719-911-19	DIODE 1S119		
C336	1-123-356-00	ELECT	10MF 20% 50V	D303 =>8-719-911-19	DIODE 1S119		
C337	1-101-810-00	CERAMIC	100PF 5% 500V	D304	8-719-175-07	DIODE RD7.5E-B	
C338	1-123-333-00	ELECT	100MF 20% 16V	<u>DELAY LINE</u>			
C339	1-101-880-00	CERAMIC	47PF 5% 50V	DL301	1-415-207-21	DELAY LINE (1H)	
C340	1-123-356-00	ELECT	10MF 20% 16V	<u>IC</u>			
C341	1-102-963-00	CERAMIC	33PF 5% 50V	IC301	8-759-908-41	IC CX-841	
C342	1-121-961-00	ELECT	4.7MF 20% 25V	IC302	8-759-125-56	IC CX-556B	
C375	1-121-806-00	ELECT	10MF 16V	<u>COIL</u>			
C401	1-102-959-00	CERAMIC	22PF 5% 50V	L301	1-407-696-00	MICRO INDUCTOR 18UH	
C402	1-123-380-00	ELECT	1MF 20% 50V	L302	1-407-571-00	COIL, VARIABLE 22MH	
C403	1-102-953-00	CERAMIC	18PF 5% 50V	L303	1-407-696-00	MICRO INDUCTOR 18UH	
C404	1-123-380-00	ELECT	1MF 20% 50V	L304	1-407-695-00	MICRO INDUCTOR 15UH	
C406	1-123-380-00	ELECT	1MF 20% 50V	L305	1-407-701-00	MICRO INDUCTOR 47UH	
C407	1-123-380-00	ELECT	1MF 20% 50V	L306	1-407-693-00	MICRO INDUCTOR 10UH	
C409	1-102-965-00	CERAMIC	39PF 5% 50V	L307	1-407-697-00	MICRO INDUCTOR 22UH	
C410	1-101-888-00	CERAMIC	68PF 5% 50V	L308	1-409-193-00	COIL 3.58MHZ TRAP	
C411	1-123-379-00	ELECT	0.47MF 20% 50V	L309	1-408-247-00	MICRO INDUCTOR 33MMH	
C412	1-123-356-00	ELECT	10MF 20% 16V	L310	1-407-695-00	MICRO INDUCTOR 15UH	
C413	1-102-978-00	CERAMIC	220PF 5% 50V	L401	1-407-166-XX	MICRO INDUCTOR 56UH	
C414	1-102-129-00	CERAMIC	0.01MF 10% 50V	L402	1-407-701-00	MICRO INDUCTOR 47UH	
C415	1-102-115-00	CERAMIC	560PF 10% 50V	L403	1-407-706-00	MICRO INDUCTOR 120UH	
C416	1-123-379-00	ELECT	0.47MF 20% 50V	L404	1-408-243-00	MICRO INDUCTOR 12MMH	
C417	1-123-356-00	ELECT	10MF 20% 16V	L405	1-407-694-00	MICRO INDUCTOR 12UH	
C418	1-101-004-00	CERAMIC	0.01MF 50V	L406	1-407-694-00	MICRO INDUCTOR 12UH	
C419	1-123-586-00	ELECT	0.1MF 20% 50V	L407	1-407-694-00	MICRO INDUCTOR 12UH	
C420	1-121-392-00	ELECT	3.3MF 25V	L409	1-407-695-00	MICRO INDUCTOR 15UH	
C421	1-123-328-00	ELECT	4.7MF 20% 25V	L411	1-408-438-11	MICRO INDUCTOR 4.7UH	
C422	1-123-447-00	ELECT	0.22MF 20% 50V	L412	1-408-438-11	MICRO INDUCTOR 4.7UH	
C423	1-123-447-00	ELECT	0.22MF 20% 50V	L413	1-408-438-11	MICRO INDUCTOR 4.7UH	
C424	1-102-973-00	CERAMIC	100P 5% 50V	<u>TRANSISTOR</u>			
C425	1-102-978-00	CERAMIC	220P 5% 50V	Q301	8-729-178-54	TRANSISTOR 2SC2785	
C426	1-102-959-00	CERAMIC	22PF 5% 50V	Q302	8-729-178-54	TRANSISTOR 2SC2785	
C428	1-108-634-00	MYLAR	0.047MF 10% 100V	Q303	8-729-178-54	TRANSISTOR 2SC2785	
C429	1-102-965-00	CERAMIC	39PF 5% 50V	Q304	8-729-178-54	TRANSISTOR 2SC2785	
C430	1-102-965-00	CERAMIC	39PF 5% 50V	Q305	8-729-117-54	TRANSISTOR 2SA1175	
C431	1-102-965-00	CERAMIC	39PF 5% 50V				
C432	1-123-381-00	ELECT	2.2MF 20% 50V				
C435	1-101-884-00	CERAMIC	56PF 5% 50V				
C436	1-102-947-00	CERAMIC	10PF 5% 50V				
C437	1-102-971-00	CERAMIC	82PF 5% 50V				
C438	1-101-888-00	CERAMIC	68PF 5% 50V				
C439	1-123-380-00	ELECT	1MF 20% 50V				
C454	1-102-888-00	CERAMIC	150PF 5% 50V				

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Items marked "♦" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ P

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
Q306	8-729-178-54	TRANSISTOR 2SC2785		R325	1-246-469-00	CARBON 680 5% 1/4W	
Q307	8-729-178-54	TRANSISTOR 2SC2785		R326	1-246-473-00	CARBON 1K 5% 1/4W	
Q308	8-729-178-54	TRANSISTOR 2SC2785		R327	1-246-473-00	CARBON 1K 5% 1/4W	
Q309	8-729-178-54	TRANSISTOR 2SC2785		R328	1-246-465-00	CARBON 470 5% 1/4W	
Q310	=>8-729-178-54	TRANSISTOR 2SC2785		R329	1-246-471-00	CARBON 820 5% 1/4W	
Q311	=>8-729-178-54	TRANSISTOR 2SC2785		R331	1-246-473-00	CARBON 1K 5% 1/4W	
Q312	=>8-729-117-54	TRANSISTOR 2SA1175		R332	1-246-459-00	CARBON 270 5% 1/4W	
Q313	=>8-729-178-54	TRANSISTOR 2SC2785		R333	1-246-459-00	CARBON 270 5% 1/4W	
Q315	=>8-729-178-54	TRANSISTOR 2SC2785		R334	1-246-465-00	CARBON 470 5% 1/4W	
Q316	=>8-729-178-54	TRANSISTOR 2SC2785		R335	1-246-475-00	CARBON 1.2K 5% 1/4W	
Q317	8-729-178-54	TRANSISTOR 2SC2785		R336	1-246-461-00	CARBON 330 5% 1/4W	
Q318	8-729-117-54	TRANSISTOR 2SA1175		R337	1-246-473-00	CARBON 1K 5% 1/4W	
Q319	=>8-729-178-54	TRANSISTOR 2SC2785		R338	1-246-473-00	CARBON 1K 5% 1/4W	
Q320	8-729-117-54	TRANSISTOR 2SA1175		R339	1-246-457-00	CARBON 220 5% 1/4W	
Q321	8-729-117-54	TRANSISTOR 2SA1175		R340	1-246-467-00	CARBON 560 5% 1/4W	
Q322	8-729-178-54	TRANSISTOR 2SC2785		R341	1-246-491-00	CARBON 5.6K 5% 1/4W	
Q323	8-729-178-54	TRANSISTOR 2SC2785		R342	1-246-483-00	CARBON 2.7K 5% 1/4W	
Q324	8-729-178-54	TRANSISTOR 2SC2785		R343	1-246-457-00	CARBON 220 5% 1/4W	
Q325	8-729-178-54	TRANSISTOR 2SC2785		R344	1-246-469-00	CARBON 680 5% 1/4W	
Q327	8-729-178-54	TRANSISTOR 2SC2785		R345	1-246-487-00	CARBON 3.9K 5% 1/4W	
Q328	8-729-178-54	TRANSISTOR 2SC2785-R		R346	1-202-667-00	COMPOSITION 8.2M 5% 1/2W	
Q329	8-729-117-51	TRANSISTOR 2SA1175-R		R347	1-246-513-00	CARBON 47K 5% 1/4W	
Q401	8-729-178-54	TRANSISTOR 2SC2785		R348	1-246-543-00	CARBON 820K 5% 1/4W	
Q402	=>8-729-117-54	TRANSISTOR 2SA1175		R349	1-246-483-00	CARBON 2.7K 5% 1/4W	
Q403	=>8-729-178-54	TRANSISTOR 2SC2785		R350	1-246-493-00	CARBON 6.8K 5% 1/4W	
Q404	=>8-729-178-54	TRANSISTOR 2SC2785		R351	1-202-645-00	COMPOSITION 1M 5% 1/2W	
Q405	=>8-729-178-54	TRANSISTOR 2SC2785		R352	1-202-645-00	COMPOSITION 1M 5% 1/2W	
RESISTOR				R353	1-246-493-00	CARBON 6.8K 5% 1/4W	
R301	1-246-497-00	CARBON 10K 5% 1/4W		R354	1-246-481-00	CARBON 2.2K 5% 1/4W	
R302	1-246-473-00	CARBON 1K 5% 1/4W		R355	1-246-497-00	CARBON 10K 5% 1/4W	
R303	1-246-493-00	CARBON 6.8K 5% 1/4W		R356	1-246-507-00	CARBON 27K 5% 1/4W	
R304	1-246-493-00	CARBON 6.8K 5% 1/4W		R357	1-246-499-00	CARBON 12K 5% 1/4W	
R305	1-246-477-00	CARBON 1.5K 5% 1/4W		R358	1-246-497-00	CARBON 10K 5% 1/4W	
R306	1-246-465-00	CARBON 470 5% 1/4W		R359	1-246-495-00	CARBON 8.2K 5% 1/4W	
R307	1-246-493-00	CARBON 6.8K 5% 1/4W		R360	1-246-490-00	CARBON 5.1K 5% 1/4W	
R308	1-246-471-00	CARBON 820 5% 1/4W		R361	1-246-507-00	CARBON 27K 5% 1/4W	
R309	1-246-501-00	CARBON 15K 5% 1/4W		R362	1-246-517-00	CARBON 68K 5% 1/4W	
R310	1-246-501-00	CARBON 15K 5% 1/4W		R363	1-246-473-00	CARBON 1K 5% 1/4W	
R311	1-246-495-00	CARBON 8.2K 5% 1/4W		R364	1-246-489-00	CARBON 4.7K 5% 1/4W	
R312	1-246-465-00	CARBON 470 5% 1/4W		R365	1-246-499-00	CARBON 12K 5% 1/4W	
R313	1-246-465-00	CARBON 470 5% 1/4W		R366	1-246-467-00	CARBON 560 5% 1/4W	
R314	1-246-477-00	CARBON 1.5K 5% 1/4W		R367	1-246-521-00	CARBON 100K 5% 1/4W	
R315	1-246-481-00	CARBON 2.2K 5% 1/4W		R368	1-246-497-00	CARBON 10K 5% 1/4W	
R316	1-246-457-00	CARBON 220 5% 1/4W		R369	1-246-457-00	CARBON 220 5% 1/4W	
R317	1-246-469-00	CARBON 680 5% 1/4W		R370	1-246-481-00	CARBON 2.2K 5% 1/4W	
R318	1-246-445-00	CARBON 68 5% 1/4W		R371	1-246-487-00	CARBON 3.9K 5% 1/4W	
R319	1-246-457-00	CARBON 220 5% 1/4W		R372	1-246-473-00	CARBON 1K 5% 1/4W	
R320	1-246-469-00	CARBON 680 5% 1/4W		R373	1-246-473-00	CARBON 1K 5% 1/4W	
R321	1-246-459-00	CARBON 270 5% 1/4W		R374	1-246-467-00	CARBON 560 5% 1/4W	
R322	1-246-469-00	CARBON 680 5% 1/4W		R375	1-246-485-00	CARBON 3.3K 5% 1/4W	
R323	1-246-469-00	CARBON 680 5% 1/4W		R376	1-246-509-00	CARBON 33K 5% 1/4W	
R324	1-246-469-00	CARBON 680 5% 1/4W		R377	1-246-771-00	CARBON 100 1/8W	
				R378	1-246-467-00	CARBON 560 5% 1/4W	

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Items marked " Δ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

• MF : μ F, PF : μ μ F

RESISTORS

• All resistors are in ohms
• F : nonflammable

COILS

• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark			Ref.No	Part No	Description	Remark		
R379	1-246-473-00	CARBON	1K	5%	1/4W	R455	1-246-499-00	CARBON	12K	5%	1/4W
R381	1-246-495-00	CARBON	8.2K	5%	1/4W	R456	1-246-461-00	CARBON	330	5%	1/4W
R383	1-246-497-00	CARBON	10K	5%	1/4W	R457	1-246-513-00	CARBON	47K	5%	1/4W
R384	1-246-481-00	CARBON	2.2K	5%	1/4W	R458	1-246-495-00	CARBON	8.2K	5%	1/4W
R386	1-246-485-00	CARBON	3.3K	5%	1/4W	R459	1-246-457-00	CARBON	220	5%	1/4W
R388	1-246-521-00	CARBON	100K	5%	1/4W	R460	1-246-457-00	CARBON	220	5%	1/4W
R401	1-246-472-00	CARBON	910	5%	1/4W	R461	1-246-457-00	CARBON	220	5%	1/4W
R402	1-246-479-00	CARBON	1.8K	5%	1/4W	R470	1-246-497-00	CARBON	10K	5%	1/4W
R403	1-246-479-00	CARBON	1.8K	5%	1/4W	R472	1-246-465-00	CARBON	470	5%	1/4W
R404	1-246-471-00	CARBON	820	5%	1/4W						
R405	1-246-487-00	CARBON	3.9K	5%	1/4W	VARIABLE RESISTOR					
R406	1-246-497-00	CARBON	10K	5%	1/4W	RV301	1-224-640-XX	RES, ADJ, CARBON	330		
R407	1-246-479-00	CARBON	1.8K	5%	1/4W	RV401	1-224-552-00	RES, ADJ, CARBON	470K		
R408	1-246-487-00	CARBON	3.9K	5%	1/4W	RV402	1-224-644-XX	RES, ADJ, CARBON	4.7K		
R409	1-246-473-00	CARBON	1K	5%	1/4W	TRANSFORMER					
R410	1-246-483-00	CARBON	2.7K	5%	1/4W	T401	1-425-786-00	TRANSFORMER, BANDPASS(BPT)			
R411	1-246-455-00	CARBON	180	5%	1/4W						
R412	1-246-495-00	CARBON	8.2K	5%	1/4W	CRYSTAL					
R413	1-246-483-00	CARBON	2.7K	5%	1/4W	X401	1-527-396-00	CRYSTAL, OSC			
R414	1-246-477-00	CARBON	1.5K	5%	1/4W	*****					
R415	1-246-483-00	CARBON	2.7K	5%	1/4W	♣:1-602-171-00	P BOARD				
R416	1-246-473-00	CARBON	1K	5%	1/4W	T1551A	1-439-276-00	TRANSFORMER ASSY, FLYBACK;FBT			
R417	1-246-483-00	CARBON	2.7K	5%	1/4W	*****					
R418	1-246-477-00	CARBON	1.5K	5%	1/4W	♣:1-601-981-00	Z BOARD				
R419	1-246-473-00	CARBON	1K	5%	1/4W	CAPACITOR					
R420	1-246-473-00	CARBON	1K	5%	1/4W	C1905	1-102-030-00	CERAMIC	330PF	10%	500V
R421	1-246-505-00	CARBON	22K	5%	1/4W						
R422	1-246-497-00	CARBON	10K	5%	1/4W	TRANSISTOR					
R423	1-246-506-00	CARBON	24K	5%	1/4W	Q1904	8-729-372-31	TRANSISTOR 2SC1723			

R424	1-246-439-00	CARBON	39	5%	1/4W	♣:1-606-053-00	F BOARD				
R424	1-246-539-00	CARBON	560K	5%	1/4W						
R425	1-246-461-00	CARBON	330	5%	1/4W	CAPACITOR					
R426	1-246-467-00	CARBON	560	5%	1/4W	C621	1-102-189-00	CERAMIC	0.0047MF		125V
R427	1-246-499-00	CARBON	12K	5%	1/4W	C622	1-102-189-00	CERAMIC	0.0047MF		125V
						C623	1-125-260-00	ELECT	470MF		200V
R429	1-246-497-00	CARBON	10K	5%	1/4W	C624	1-125-260-00	ELECT	470MF		200V
R430	1-246-461-00	CARBON	330	5%	1/4W						
R431	1-246-473-00	CARBON	1K	5%	1/4W	DIODE					
R432	1-246-477-00	CARBON	1.5K	5%	1/4W	D621	=>8-719-911-55	DIODE U05G			
R433	1-246-461-00	CARBON	330	5%	1/4W	D622	=>8-719-911-55	DIODE U05G			
R434	1-246-461-00	CARBON	330	5%	1/4W	CONNECTOR					
R435	1-246-461-00	CARBON	330	5%	1/4W	F1	1-508-765-00	3P PLUG (M)			
R436	1-246-489-00	CARBON	4.7K	5%	1/4W						
R437	1-246-497-00	CARBON	10K	5%	1/4W						
R438	1-246-485-00	CARBON	3.3K	5%	1/4W						
R439	1-246-497-00	CARBON	10K	5%	1/4W						
R440	1-246-505-00	CARBON	22K	5%	1/4W						
R441	1-246-497-00	CARBON	10K	5%	1/4W						
R442	1-246-505-00	CARBON	22K	5%	1/4W						
R443	1-246-485-00	CARBON	3.3K	5%	1/4W						
R446	1-246-473-00	CARBON	1K	5%	1/4W						
R447	1-246-487-00	CARBON	3.9K	5%	1/4W						
R448	1-246-465-00	CARBON	470	5%	1/4W						
R449	1-246-479-00	CARBON	1.8K	5%	1/4W						
R450	1-246-459-00	CARBON	270	5%	1/4W						
R451	1-246-473-00	CARBON	1K	5%	1/4W						
R452	1-246-465-00	CARBON	470	5%	1/4W						
R454	1-246-481-00	CARBON	2.2K	5%	1/4W						

NOTE:

The components identified by shading and mark **♣** are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Items marked "♣" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

F U1 U2 N

Ref.No	Part No	Description	Remark
F2	1-506-348-XX	3P PLUG (L)	
<u>RESISTOR</u>			
R621	1-244-925-00	CARBON 150K 5% 1/2W	
R622	1-244-927-00	CARBON 180K 5% 1/2W	

U1	1-606-092-00	U1 BOARD	

<u>CAPACITOR</u>			
C01	1-108-583-00	MYLAR 0.015MF 5% 50V	
C02	1-108-583-00	MYLAR 0.015MF 5% 50V	
<u>RESISTOR</u>			
R01	1-246-446-00	CARBON 75 5% 1/4W	
R02	1-246-442-00	CARBON 51 5% 1/4W	
<u>VARIABLE RESISTOR</u>			
RV901	1-228-490-00	RES, VAR, CARBON 10K	

U2	1-606-048-00	U2 BOARD	

CON	1-560-686-00	CONNECTOR (PLUG) 34P	
<u>CONNECTOR</u>			
BD1	1-556-098-21	CONNECTOR ASSY (2.5MM) 12P	
BD2	1-555-965-71	CONNECTOR ASSY (2.5MM) 5P	
BD3	1-556-002-51	CONNECTOR ASSY (2.5MM) 6P	

N	1-1280-099-A	N BOARD, COMPLETE	

PLUG	1-508-915-11	PLUG, 1P	
<u>CAPACITOR</u>			
C101	1-102-980-00	CERAMIC 270PF 5% 50V	
C102	1-102-824-00	CERAMIC 430PF 5% 50V	
C103	1-102-978-00	CERAMIC 220PF 5% 50V	
C104	1-123-382-00	ELECT 3.3MF 20% 50V	
C105	1-123-356-00	ELECT 10MF 20% 16V	
C106	1-123-336-00	ELECT 470MF 20% 25V	
C107	1-101-003-00	CERAMIC 0.0047MF 50V	
C108	1-101-003-00	CERAMIC 0.0047MF 50V	
C109	1-101-003-00	CERAMIC 0.0047MF 50V	
C110	1-123-356-00	ELECT 10MF 20% 16V	
C111	1-101-006-00	CERAMIC 0.047MF 50V	
C112	1-123-323-00	ELECT 470MF 20% 16V	
C113	1-123-330-00	ELECT 22MF 20% 16V	

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Items marked " **A** " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ PF

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark
C114	1-123-356-00	ELECT 10MF 20% 16V	
C115	1-131-345-00	TANTALUM 0.47MF 20% 35V	
C115	1-131-345-00	TANTALUM 0.47MF 10% 35V	
C116	1-101-003-00	CERAMIC 0.0047MF 50V	
C117	1-102-074-00	CERAMIC 0.001MF 10% 50V	
C118	1-131-345-00	TANTALUM 0.47MF 10% 35V	
C119	1-232-019-00	COMPOSITION CIRCUIT BLOCK	
C120	1-102-074-00	CERAMIC 0.001MF 50V	
<u>COMPOSITION CIRCUIT BLOCK</u>			
CP101	1-232-185-11	COMPOSITION CIRCUIT BLOCK	
<u>DIODE</u>			
D101	=>8-719-911-19	DIODE 1SS119	
D102	=>8-719-911-19	DIODE 1SS119	
D103	=>8-719-911-19	DIODE 1SS119	
D104	=>8-719-911-19	DIODE 1SS119	
D105	=>8-719-911-19	DIODE 1SS119	
D106	=>8-719-911-19	DIODE 1SS119	
D107	=>8-719-900-93	DIODE V09C	
D108	=>8-719-900-93	DIODE V09C	
D109	=>8-719-900-93	DIODE V09C	
D110	=>8-719-900-93	DIODE V09C	
D111	=>8-719-900-93	DIODE V09C	
D112	8-719-111-07	DIODE RD11E-B	
D113	8-719-102-82	DIODE RD7.5E-N3	
<u>IC</u>			
IC101	8-759-162-36	IC UPD546C236	
IC102	8-759-240-16	IC TC4016BP	
IC103	8-759-145-58	IC UPC4558C	
<u>CONNECTOR</u>			
K2	1-556-016-71	CONNECTOR ASSY (2.5MM) 3P	
<u>COIL</u>			
L101	1-408-398-00	MICRO INDUCTOR 1.2UH	
<u>CONNECTOR</u>			
N1	1-506-371-00	2P PLUG (L)	
N2	1-508-786-00	2P PLUG (M)	
N3	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
N4	1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
N5	1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
N6	1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
N7	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
N8	1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
N9	1-508-784-00	1P PLUG	
<u>TRANSISTOR</u>			
Q101	8-729-178-54	TRANSISTOR 2SC2785	
Q102	8-729-178-54	TRANSISTOR 2SC2785	
Q103	8-729-117-54	TRANSISTOR 2SA1175	

Ref.No	Part No	Description	Remark
Q104	8-729-178-54	TRANSISTOR 2SC2785	
Q105	8-729-178-54	TRANSISTOR 2SC2785	
Q106	8-729-178-54	TRANSISTOR 2SC2785	
Q107	8-729-117-54	TRANSISTOR 2SA1175	
Q108	8-729-178-54	TRANSISTOR 2SC2785	
Q109	8-729-177-43	TRANSISTOR 2SD774	
Q110	8-729-117-54	TRANSISTOR 2SA1175-R	
Q111	8-729-117-54	TRANSISTOR 2SA1175-R	
Q112	=>8-769-200-20	TRANSISTOR 2SK107-2	
RESISTOR			
R101	1-246-537-00	CARBON 470K 5% 1/4W	
R102	1-246-473-00	CARBON 1K 5% 1/4W	
R103	1-246-473-00	CARBON 1K 5% 1/4W	
R104	1-246-473-00	CARBON 1K 5% 1/4W	
R105	1-246-505-00	CARBON 22K 5% 1/4W	
R106	1-246-505-00	CARBON 22K 5% 1/4W	
R107	1-246-505-00	CARBON 22K 5% 1/4W	
R108	1-246-489-00	CARBON 4.7K 5% 1/4W	
R109	1-246-485-00	CARBON 3.3K 5% 1/4W	
R110	1-246-515-00	CARBON 56K 5% 1/4W	
R111	1-246-505-00	CARBON 22K 5% 1/4W	
R112	1-246-497-00	CARBON 10K 5% 1/4W	
R113	1-246-497-00	CARBON 10K 5% 1/4W	
R114	1-246-497-00	CARBON 10K 5% 1/4W	
R115	1-246-497-00	CARBON 10K 5% 1/4W	
R116	1-246-505-00	CARBON 22K 5% 1/4W	
R117	1-246-515-00	CARBON 56K 5% 1/4W	
R118	1-246-513-00	CARBON 47K 5% 1/4W	
R119	1-246-505-00	CARBON 22K 5% 1/4W	
R120	1-246-489-00	CARBON 4.7K 5% 1/4W	
R121	1-246-505-00	CARBON 22K 5% 1/4W	
R122	1-246-475-00	CARBON 1.2K 5% 1/4W	
R123	1-246-505-00	CARBON 22K 5% 1/4W	
R124	1-246-495-00	CARBON 8.2K 5% 1/4W	
R125	1-246-475-00	CARBON 1.2K 5% 1/4W	
R126	1-246-515-00	CARBON 56K 5% 1/4W	
R127	1-246-509-00	CARBON 33K 5% 1/4W	
R128	1-246-491-00	CARBON 5.6K 5% 1/4W	
R129	1-246-505-00	CARBON 22K 5% 1/4W	
R130	1-246-499-00	CARBON 12K 5% 1/4W	
R131	1-246-473-00	CARBON 1K 5% 1/4W	
R132	Δ.1-247-023-00	CARBON 2.2 5% 1/8W F	
R133	1-211-409-00	CARBON 10 5% 1/8W F	
R134	1-206-479-00	METAL 47 5% 2W F	
R135	1-246-473-00	CARBON 1K 5% 1/4W	
R136	1-246-530-00	CARBON 240K 5% 1/4W	
R137	1-246-505-00	CARBON 22K 5% 1/4W	
R138	1-246-497-00	CARBON 10K 5% 1/4W	
R139	1-246-477-00	CARBON 1.5K 5% 1/4W	
R140	1-246-485-00	CARBON 3.3K 5% 1/4W	
R141	1-246-494-00	CARBON 7.5K 5% 1/4W	
R142	1-246-489-00	CARBON 4.7K 5% 1/4W	

Ref.No	Part No	Description	Remark		
R143	1-246-473-00	CARBON	1K	5%	1/4W
R144	1-246-473-00	CARBON	1K	5%	1/4W
R145	1-246-513-00	CARBON	47K	5%	1/4W
R146	1-246-487-00	CARBON	3.9K	5%	1/4W
R147	1-246-505-00	CARBON	22K	5%	1/4W
R148	1-246-505-00	CARBON	22K	5%	1/4W
R149	1-246-479-00	CARBON	1.8K	5%	1/4W
R150	1-246-497-00	CARBON	10K	5%	1/4W
R151	1-246-497-00	CARBON	10K	5%	1/4W
R152	1-246-497-00	CARBON	10K	5%	1/4W
R153	1-246-473-00	CARBON	1K	5%	1/4W
R154	1-246-473-00	CARBON	1K	5%	1/4W
R155	1-246-473-00	CARBON	1K	5%	1/4W
R156	1-246-497-00	CARBON	10K	5%	1/4W
R157	1-232-184-11	COMPOSITION CIRCUIT BLOCK			
R158	1-231-569-00	COMPOSITION CIRCUIT BLOCK			
R159	1-246-473-00	CARBON	1K	5%	1/4W
R160	1-235-084-00	RES, COMPONENT			
RELAY					
RL101A	1-515-357-00	RELAY			
CRYSTAL					
X101	1-527-532-00	OSCILLATOR, CERAMIC			

♠:A-1330-335-A		C BAORD, COMPLETE			

1-526-560-41		SOCKET ASSY, CRT			
♠:1-606-052-00		PC BOARD, C			
♠:4-314-225-00		HEAT SINK, (A)			
1-555-965-61		CONNECTOR ASSY (2.5MM) 5P			
CONNECTOR					
C1	♠:1-506-371-00	2P PLUG			
C2	♠:1-508-784-00	1P PLUG			
CAPACITOR					
C701	1-129-779-00	FILM	0.022MF	20%	1KV
C702	1-102-155-00	CERAMIC	330PF	20%	2KV
C703	1-123-383-00	ELECT	4.7MF	20%	100V
C704	1-102-959-00	CERAMIC	22PF	5%	50V
C706	1-123-330-00	ELECT	22MF	20%	25V
C707	1-102-959-00	CERAMIC	22PF	5%	50V
C708	1-102-959-00	CERAMIC	22PF	5%	50V
C709	1-121-759-00	ELECT	4.7MF	20%	250V
C710	1-123-356-00	ELECT	10MF	20%	16V
C711	1-108-385-00	MYLAR	0.047MF	10%	100V
C713	1-102-129-00	CERAMIC	0.01MF	10%	50V
C714	1-101-004-00	CERAMIC	0.01MF		50V
C715	1-101-004-00	CERAMIC	0.01MF		50V
C716	1-123-356-00	ELECT	10MF	20%	25V

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

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• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μF, PF : μμF

RESISTORS
• All resistors are in ohms
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COILS
• MMH : mH, UH : μH

C

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C717	1-101-004-00	CERAMIC 0.01MF	50V	Q711	8-729-322-78	TRANSISTOR 2SC2278	
C718	1-101-004-00	CERAMIC 0.01MF	50V	Q712	8-729-322-78	TRANSISTOR 2SC2278	
C719	1-108-433-00	MYLAR 0.1MF	10% 200V	Q713	8-729-178-54	TRANSISTOR 2SC2785	
C720	1-102-212-00	CERAMIC 820PF	10% 500V				
C721	1-102-212-00	CERAMIC 820PF	10% 500V				
C724	1-123-330-00	ELECT 22MF	20% 25V				
C726	1-101-004-00	CERAMIC 0.01MF	50V				
C727	1-123-356-00	ELECT 10MF	20% 25V				
C728	1-101-845-00	CERAMIC 0.001MF	500V				
C730	1-108-704-00	MYLAR 0.1MF	200V				
C731	1-101-361-00	CERAMIC 150PF	50V				
C732	1-101-884-00	CERAMIC 56PF	50V				
C733	1-101-884-00	CERAMIC 56PF	50V				
C734	1-123-329-00	ELECT 10MF	25V				
<u>CONNECTOR</u>							
D11	1-555-226-00	CONNECTOR, MINIATURE 1P					
D13	1-555-226-00	CONNECTOR, MINIATURE 1P					
D17	1-555-018-00	CONNECTOR ASSY, MINIATURE 3P					
D18	1-555-226-00	CONNECTOR, MINIATURE 1P					
D30	1-555-346-00	CONNECTOR, MINIATURE 1P					
<u>DIODE</u>							
D701	1-719-300-76	DIODE RH1A					
D702	1-719-300-76	DIODE RH1A					
D703	1-719-300-76	DIODE RH1A					
D708	1-719-911-19	DIODE 1SS119					
D709	1-719-911-19	DIODE 1SS119					
D710	1-719-911-19	DIODE 1SS119					
D711	1-719-911-19	DIODE 1SS119					
D712	1-719-200-02	DIODE 10E2					
<u>COIL</u>							
L701	1-407-175-XX	MICRO INDUCTOR 330UH					
L702	1-407-175-XX	MICRO INDUCTOR 330UH					
L703	1-407-206-XX	MICRO INDUCTOR 10MMH					
L704	1-407-703-00	MICRO INDUCTOR 68UH					
L705	1-407-703-00	MICRO INDUCTOR 68UH					
L706	1-407-705-11	MICRO INDUCTOR 100UH					
<u>NEON LAMP</u>							
NL701	1-519-108-XX	LAMP, NEON ASSY					
NL702	1-519-108-XX	LAMP, NEON ASSY					
NL703	1-519-013-13	DISCHARGE TUBE					
NL704	1-519-013-13	DISCHARGE TUBE					
<u>TRANSISTOR</u>							
Q701	8-729-322-78	TRANSISTOR 2SC2278					
Q702	8-729-322-78	TRANSISTOR 2SC2278					
Q703	8-729-322-78	TRANSISTOR 2SC2278					
Q704	1-729-663-47	TRANSISTOR 2SC1364					
Q705	1-729-663-47	TRANSISTOR 2SC1364					
Q706	1-729-663-47	TRANSISTOR 2SC1364					
Q707	8-729-374-02	TRANSISTOR 2SB740					
Q708	1-729-663-47	TRANSISTOR 2SC1364					
Q709	1-729-663-47	TRANSISTOR 2SC1364					
Q710	1-729-663-47	TRANSISTOR 2SC1364					

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

=>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

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All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
MF : μ F, PF : μ PF

RESISTORS
All resistors are in ohms
F : nonflammable

COILS
MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
R756	1-246-497-00	CARBON	10K 5% 1/4W	C516	1-129-764-61	FILM	0.039MF 10% 200V
R757	1-246-475-00	CARBON	1.2K 5% 1/4W	C517	1-123-356-00	ELECT	10MF 20% 50V
R758	1-206-682-00	METAL	5.6K 5% 2W F	C518	1-121-707-00	ELECT	3.3MF 20% 160V
R759	1-246-457-00	CARBON	220 5% 1/4W	C519	1-108-381-00	MYLAR	0.022MF 10% 100V
R760A	1-206-678-00	METAL	3.9K 5% 2W F	C520	1-108-390-00	MYLAR	0.12MF 10% 100V
R760B	1-246-497-00	CARBON	10K 5% 1/4W	C521	1-108-433-00	MYLAR	0.1MF 10% 200V
R761A	1-206-678-00	METAL	3.9K 5% 2W F	C522	1-123-330-00	ELECT	22MF 20% 16V
R761B	1-246-521-00	CARBON	100K 5% 1/4W	C523	1-123-363-00	ELECT	470MF 20% 50V
R762A	1-212-352-00	METAL	0.22 5% 1W F	C524	1-102-973-00	CERAMIC	100PF 5% 50V
R762B	1-246-477-00	CARBON	1.5K 5% 1/4W	C525	1-123-369-00	ELECT	4.7MF 20% 50V
R763	1-213-144-00	METAL	1.2K 5% 1W F	C526	1-123-330-00	ELECT	22MF 20% 25V
R766	1-246-493-00	CARBON	6.8K 1/4W	C527	1-108-824-00	MYLAR	0.47MF 5% 50V
VARIABLE RESISTOR				C528	1-108-595-00	MYLAR	0.047MF 5% 50V
RV701	1-226-157-00	RES, ADJ, METAL GLAZE 1M		C529	1-102-316-00	CERAMIC	15PF 5% 500V
RV702	1-224-644-XX	RES, ADJ, CARBON 4.7K		C530	1-108-824-00	MYLAR	0.47MF 5% 50V
RV703	1-224-644-XX	RES, ADJ, CARBON 4.7K		C531	1-108-595-00	MYLAR	0.047MF 5% 50V
RV704	1-224-644-XX	RES, ADJ, CARBON 4.7K		C532	1-102-973-00	CERAMIC	100PF 5% 50V
RV705	1-224-640-XX	RES, ADJ, CARBON 330		C533	1-108-820-00	MYLAR	0.22MF 5% 50V
SPARK GAP				C534	1-108-597-00	MYLAR	0.056MF 5% 50V
SG701	1-519-063-XX	DISCHARGING GAP		C535	1-102-973-00	CERAMIC	100PF 5% 50V
SG702	1-519-063-XX	DISCHARGING GAP		C536	1-108-820-00	MYLAR	0.22MF 5% 50V
SG703	1-519-063-XX	DISCHARGING GAP		C537	1-108-597-00	MYLAR	0.056MF 5% 50V
*****				C538	1-102-973-00	CERAMIC	100PF 5% 50V
▲.A-1345-363-A E BOARD COMPLETE				C539	1-123-381-00	ELECT	2.2MF 20% 50V
*****				C540	1-102-973-00	CERAMIC	100PF 5% 50V
Do not replace parts on E Board, replace the complete circuit board only.				C541	1-123-380-00	ELECT	1MF 20% 50V
*****				C542	1-123-356-00	ELECT	10MF 20% 50V
▲.A-1345-330-A D BOARD, COMPLETE				C543	1-123-356-00	ELECT	10MF 20% 50V
*****				C544	1-123-360-00	ELECT	100MF 20% 50V
1-533-127-00 FUSE CLIP				C545	1-123-380-00	ELECT	1MF 20% 50V
▲.1-533-146-00	HOLDER, FUSE			C546	1-123-356-00	ELECT	10MF 20% 50V
▲.1-555-285-00	CONNECTOR SOCKET ASSY 2P			C547	1-108-379-00	MYLAR	0.015MF 10% 100V
▲.1-555-287-00	HOUSING, CONNECTOR SOCKET 1P			C548	1-108-382-00	MYLAR	0.027MF 10% 100V
▲.1-555-301-00	CONNECTOR RECEPTACLE ASSY 6P			C549	1-108-637-00	MYLAR	0.082MF 10% 100V
1-556-146-11 CONNECTOR ASSY, MINIATURE 3P				C550	1-123-328-00	ELECT	4.7MF 20% 25V
▲.4-342-076-00	HEAT SINK, V.OUT			C551	1-108-381-00	MYLAR	0.022MF 10% 100V
CAPACITOR				C552	1-108-389-00	MYLAR	0.1MF 10% 100V
C501	1-123-356-00	ELECT	10MF 20% 25V	C553	1-108-379-00	MYLAR	0.015MF 10% 100V
C502	1-123-328-00	ELECT	4.7MF 20% 25V	C554	1-102-820-00	CERAMIC	330PF 5% 50V
C503	1-108-389-00	MYLAR	0.1MF 10% 100V	C555	1-101-845-00	CERAMIC	0.001MF 500V
C504	1-108-382-00	MYLAR	0.027MF 10% 100V	C556	1-101-001-00	CERAMIC	0.001 50V
C505	1-108-381-00	MYLAR	0.022MF 10% 100V	C558	1-108-433-00	MYLAR	0.1MF 10% 200V
C506	1-123-330-00	ELECT	22MF 20% 16V	C601▲.1-108-745-00	MYLAR	0.22MF 125V	
C507	1-123-381-00	ELECT	2.2MF 20% 50V	C602▲.1-102-189-00	CERAMIC	0.0047MF 125V	
C508	1-123-369-00	ELECT	4.7MF 20% 50V	C603▲.1-108-745-00	MYLAR	0.22MF 20% 125V	
C509	1-123-328-00	ELECT	4.7MF 20% 25V	C1501	1-102-125-00	CERAMIC	0.0047MF 10% 50V
C510	1-123-380-00	ELECT	1MF 20% 50V	C1502	1-123-379-00	ELECT	0.47MF 20% 50V
C511	1-108-373-00	MYLAR	0.0047MF 10% 100V	C1503	1-108-369-00	MYLAR	0.0022MF 10% 100V
C512	1-108-373-00	MYLAR	0.0047MF 10% 100V	C1504	1-108-378-00	MYLAR	0.012MF 10% 100V
C513	1-108-371-00	MYLAR	0.0033MF 10% 100V	C1505	1-106-196-00	MYLAR	0.01MF 5% 100V
C514	1-102-989-00	CERAMIC	68PF 5% 500V	C1506	1-129-701-00	FILM	0.01MF 2% 100V
C515	1-123-361-00	ELECT	220MF 20% 50V	C1507	1-123-330-00	ELECT	22MF 20% 25V
NOTE:				C1508	1-102-978-00	CERAMIC	220PF 5% 50V

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

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• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
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COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description		Remark	Ref.No	Part No	Description		Remark
C1509	1-101-001-00	CERAMIC	0.001MF	50V	C1571	1-101-006-00	CERAMIC	0.047MF	50V
C1510	1-123-380-00	ELECT	1MF	20% 50V	C1572	1-101-006-00	CERAMIC	0.047MF	50V
C1511	1-108-382-00	MYLAR	0.027MF	10% 100V	C1575	1-123-333-00	ELECT	100MF	20% 25V
C1512	1-102-157-00	CERAMIC	560PF	10% 500V	CONNECTOR				
C1513	1-101-845-00	CERAMIC	0.001MF	500V	D1	1-506-348-XX	3P PLUG (L)		
C1514	1-108-385-00	MYLAR	0.047MF	10% 100V	D2	1-508-765-00	3P PLUG (M)		
C1515	1-129-953-00	FILM	0.068MF	20% 1.5KV	D4	♣:1-506-371-00	2P PLUG (L)		
C1516	1-102-973-00	CERAMIC	100PF	5% 50V	D5	1-508-765-00	3P PLUG (M)		
C1517A	1-130-542-00	FILM	0.014MF	3% 2KV	D7	♣:1-506-371-00	2P PLUG (L)		
C1518	1-102-002-00	CERAMIC	680PF	10% 500V	D8	♣:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		
C1519	1-130-543-00	FILM	0.91MF	5% 200V	D9	♣:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		
C1520	1-130-540-00	FILM	1.5MF	5% 400V	D10	♣:1-508-766-00	4P PLUG (M)		
C1521	1-108-381-00	MYLAR	0.022MF	10% 100V	D11	♣:1-508-784-00	1P PLUG		
C1522	1-121-806-00	ELECT	10MF	20% 16V	D12	♣:1-508-784-00	1P PLUG		
C1523	1-123-333-00	ELECT	100MF	20% 16V	D13	♣:1-508-784-00	1P PLUG		
C1524	1-123-333-00	ELECT	100MF	20% 16V	D14	1-508-765-00	3P PLUG (M)		
C1525	1-106-224-00	MYLAR	0.15MF	10% 100V	D15	1-508-765-00	3P PLUG (M)		
C1526	1-123-361-00	ELECT	220MF	20% 50V	D16	♣:1-508-766-00	4P PLUG (M)		
C1527	1-121-757-00	ELECT	33MF	160V	D17	1-508-765-00	3P PLUG (M)		
C1528	1-108-381-00	MYLAR	0.022MF	10% 100V	D18	♣:1-508-784-00	1P PLUG		
C1529	1-123-379-00	ELECT	0.47MF	20% 50V	D19	1-506-348-XX	3P PLUG (L)		
C1530	1-108-377-00	MYLAR	0.01MF	10% 100V	D20	1-508-765-00	3P PLUG (M)		
C1531	1-123-330-00	ELECT	22MF	20% 25V	D24	1-506-348-XX	3P PLUG (L)		
C1532	1-108-371-00	MYLAR	0.0033MF	10% 100V	D25	1-508-765-00	3P PLUG (M)		
C1533	1-102-030-00	CERAMIC	330PF	10% 500V	D26	1-506-348-XX	3P PLUG (L)		
C1534	1-108-389-00	MYLAR	0.1MF	10% 100V	D27	1-508-765-00	3P PLUG (M)		
C1535	1-123-333-00	ELECT	100MF	20% 25V	D28	♣:1-508-784-00	1P PLUG		
C1536A	1-130-709-00	FILM	0.008MF	3% 2KV	D29	1-508-765-00	3P PLUG (M)		
C1537A	1-129-747-00	FILM	0.047MF	10% 400V	D30	♣:1-508-784-00	1P PLUG		
C1538	1-129-751-00	FILM	0.1MF	20% 400V	DIODE				
C1539	1-123-356-00	ELECT	10MF	20% 25V	D501	=>8-719-911-19	DIODE 1SS119		
C1540	1-123-334-00	ELECT	220MF	20% 25V	D502	=>8-719-911-19	DIODE 1SS119		
C1541	1-123-334-00	ELECT	220MF	20% 25V	D503	=>8-719-900-15	DIODE V09C		
C1542	1-123-382-00	ELECT	3.3MF	20% 50V	D504	=>8-719-911-19	DIODE 1SS119		
C1543	1-123-379-00	ELECT	0.47MF	20% 50V	D505	=>8-719-300-76	DIODE RH1A		
C1544	1-123-356-00	ELECT	10MF	20% 50V	D506	8-719-300-38	DIODE GU3A		
C1545	1-123-359-00	ELECT	47MF	20% 50V	D507	=>8-719-300-76	DIODE RH1A		
C1546	1-101-001-00	CERAMIC	0.001MF	50V	D508	=>8-719-900-15	DIODE V09C		
C1547	1-108-431-00	MYLAR	0.068MF	10% 200V	D510	=>8-719-911-19	DIODE 1SS119		
C1548	1-123-328-00	ELECT	4.7MF	20% 25V	D511	=>8-719-911-19	DIODE 1SS119		
C1552	1-108-421-00	MYLAR	0.01MF	10% 200V	D512	=>8-719-911-19	DIODE 1SS119		
C1553	1-108-421-00	MYLAR	0.01MF	10% 200V	D513	=>8-719-900-93	DIODE V09C		
C1554A	1-102-327-00	CERAMIC	330PF	15% 1.5KV	D1501	=>8-719-911-19	DIODE 1SS119		
C1555	1-102-327-00	CERAMIC	330PF	15% 1.5KV	D1502	=>8-719-911-19	DIODE 1SS119		
C1557	1-102-978-00	CERAMIC	220PF	5% 50V	D1503	=>8-719-900-93	DIODE V09C		
C1558	1-123-332-00	ELECT	47MF	20% 25V	D1504	=>8-719-305-15	DIODE GH3F		
C1564	1-123-380-00	ELECT	1MF	20% 50V	D1505	8-719-928-08	DIODE ERD28-28S		
C1565	1-108-372-00	MYLAR	0.0039MF	10% 100V	D1506	=>8-719-300-76	DIODE RH1A		
C1567A	1-101-004-00	CERAMIC	0.01	50V	D1507A	8-719-320-01	DIODE RH-1		
C1567B	1-123-340-00	ELECT	4.7MF	20% 35V	D1508	8-719-901-19	DIODE V11N		
C1568	1-123-330-00	ELECT	22MF	20% 25V	D1509	=>8-719-300-76	DIODE RH1A		
C1569	1-101-006-00	CERAMIC	0.047MF	50V					
C1570	1-123-332-00	ELECT	47MF	20% 16V					

NOTE:

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CAPACITORS

• MF : μ F, PF : μ F

RESISTORS

• All resistors are in ohms
• F : nonflammable

COILS

• MMH : mH, UH : μ H



Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
D1510	>8-719-911-19	DIODE 1SS119		TRANSISTOR			
D1511	>8-719-931-15	DIODE EQB01-15		Q501	=>8-729-663-47	TRANSISTOR 2SC1364	
D1512	>8-719-300-76	DIODE RH1A		Q502	▲.8-729-195-92	TRANSISTOR 2SC2959	
D1513	>8-719-900-93	DIODE V09C		Q503	▲.8-729-169-02	TRANSISTOR 2SC2690A	
D1514	8-719-926-16	DIODE ERC26-15SA		Q504	▲.8-729-122-02	TRANSISTOR 2SA1220A	
D1515	>8-719-300-76	DIODE RH1A		Q505	=>8-729-201-52	TRANSISTOR 2SA1015	
D1516	>8-719-911-19	DIODE 1SS119		Q506	8-729-177-43	TRANSISTOR 2SD774	
D1517	>8-719-300-76	DIODE RH1A		Q507	=>8-729-663-47	TRANSISTOR 2SC1364	
D1518	>8-719-300-76	DIODE RH1A		Q508	=>8-729-663-47	TRANSISTOR 2SC1364	
D1519	>8-719-931-13	DIODE EQB01-13		Q509	=>8-729-663-47	TRANSISTOR 2SC1364	
D1520	>8-719-911-19	DIODE 1SS119		Q510	=>8-729-663-47	TRANSISTOR 2SC1364	
D1521	>8-719-911-19	DIODE 1SS119		Q511	=>8-729-663-47	TRANSISTOR 2SC1364	
D1522	>8-719-911-19	DIODE 1SS119		Q512	=>8-729-663-47	TRANSISTOR 2SC1364	
D1523	>8-719-300-76	DIODE RH1A		Q513	=>8-729-663-47	TRANSISTOR 2SC1364	
D1524	8-719-156-23	DIODE RD5.6E-Z7S		Q514	=>8-729-663-47	TRANSISTOR 2SC1364	
D1526	>8-719-911-19	DIODE 1SS119		Q515	=>8-729-663-47	TRANSISTOR 2SC1364	
D1527	>8-719-911-19	DIODE 1SS119		Q516	=>8-729-201-52	TRANSISTOR 2SA1015	
D1528	▲.8-719-903-09	DIODE V30N		Q517	=>8-729-195-82	TRANSISTOR 2SC2958	
D1529	>8-719-101-60	DIODE RD6.2E-L1		Q518	=>8-729-663-47	TRANSISTOR 2SC1364	
D1530	8-719-815-55	DIODE 1S1555		Q1501	8-729-203-82	TRANSISTOR 2SC2238B	
D1531	8-719-200-02	DIODE 10E2		Q1502	8-729-177-43	TRANSISTOR 2SD774	
D1532	8-719-190-00	DIODE RD24E-BZ7		Q1503	=>8-729-103-43	TRANSISTOR 2SB734	
FUSE				Q1504	=>8-729-103-43	TRANSISTOR 2SB734	
F601	▲.1-532-627-00	FUSE, GLASS TUBE 7A		Q1505	=>8-729-663-47	TRANSISTOR 2SC1364	
F602	▲.1-532-555-00	FUSE, GLASS TUBE 1.6A		Q1506	8-765-222-20	TRANSISTOR 2SC1963	
IC				Q1507	=>8-729-117-43	TRANSISTOR 2SD774	
IC501	8-751-570-00	IC CX-157		Q1508	=>8-729-663-47	TRANSISTOR 2SC1364	
IC1501	8-751-580-00	IC CX-158		Q1509	=>8-729-201-52	TRANSISTOR 2SA1015	
COIL				Q1510	=>8-729-201-52	TRANSISTOR 2SA1015	
L501	1-407-364-00	COIL, SPOOK CHOKE		Q1511	=>8-729-201-52	TRANSISTOR 2SA1015	
L502	1-407-209-XX	MICRO INDUCTOR 18MMH		Q1512	=>8-729-663-47	TRANSISTOR 2SC1364	
L503	1-407-209-XX	MICRO INDUCTOR 18MMH		Q1514	=>8-729-663-47	TRANSISTOR 2SC1364	
L504	1-407-206-XX	MICRO INDUCTOR 10MMH		Q1515	8-729-177-43	TRANSISTOR 2SD774-L	
L505	1-407-211-XX	MICRO INDUCTOR 27MMH		Q1516	=>8-729-663-47	TRANSISTOR 2SC1364	
L506	1-407-207-XX	MICRO INDUCTOR 12MMH		Q1517	=>8-729-309-06	TRANSISTOR 2SC1890A	
L507	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE		Q1518	8-729-178-54	TRANSISTOR 2SC2785	
L508	1-435-055-31	COIL, PHASE ADJUST		Q1519	8-729-117-54	TRANSISTOR 2SA1175	
L509	1-443-012-00	TRANSFORMER, DYNAMIC CONVERSION		Q1520	8-729-117-54	TRANSISTOR 2SA1175	
L601	1-407-720-00	CHOKE COIL		RESISTOR			
L1501	1-421-390-00	COIL, FERRITE (PMC)		R501	1-246-472-00	CARBON 910 5% 1/4W	
L1502	1-459-308-00	COIL, HORIZONTAL LINEARITY		R502	1-246-531-00	CARBON 270K 5% 1/4W	
L1503	1-459-104-00	COIL, DUST CORE		R503	1-246-512-00	CARBON 43K 5% 1/4W	
L1504	1-459-123-00	COIL, DUST CORE (PAC)		R504	1-246-487-00	CARBON 3.9K 5% 1/4W	
L1505	1-407-365-00	COIL, CHOKE		R506	1-246-541-00	CARBON 680K 5% 1/4W	
L1506	1-407-365-00	COIL, CHOKE		R507	1-246-510-00	CARBON 36K 5% 1/4W	
				R508	1-246-483-00	CARBON 2.7K 5% 1/4W	
				R509	1-246-473-00	CARBON 1K 5% 1/4W	
				R510	1-246-507-00	CARBON 27K 5% 1/4W	
				R511	1-246-497-00	CARBON 10K 5% 1/4W	
				R512	1-246-497-00	CARBON 10K 5% 1/4W	

NOTE:

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
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Ref.No	Part No	Description	Remark			Ref.No	Part No	Description	Remark				
R513	1-246-485-00	CARBON	3.3K	5%	1/4W	R567	1-246-481-00	CARBON	2.2K	5%	1/4W		
R514	1-246-469-00	CARBON	680	5%	1/4W	R568	1-246-511-00	CARBON	39K	5%	1/4W		
R515	1-246-465-00	CARBON	470	5%	1/4W	R569	1-246-509-00	CARBON	33K	5%	1/4W		
R516	1-246-461-00	CARBON	330	5%	1/4W	R570	1-246-473-00	CARBON	1K	5%	1/4W		
R517	1-246-494-00	CARBON	7.5K	5%	1/4W	R571	1-246-519-00	CARBON	82K	5%	1/4W		
R518	1-246-499-00	CARBON	12K	5%	1/4W	R572	1-246-497-00	CARBON	10K	5%	1/4W		
R519	1-246-501-00	CARBON	15K	5%	1/4W	R573	1-246-509-00	CARBON	33K	5%	1/4W		
R520	1-246-490-00	CARBON	5.1K	5%	1/4W	R574	1-246-489-00	CARBON	4.7K	5%	1/4W		
R521	1-246-491-00	CARBON	5.6K	5%	1/4W	R575	1-246-471-00	CARBON	820	5%	1/4W		
R522	1-246-481-00	CARBON	2.2K	5%	1/4W	R576	1-246-469-00	CARBON	680	5%	1/4W		
R523	1-246-477-00	CARBON	1.5K	5%	1/4W	R577	1-246-491-00	CARBON	5.6K	5%	1/4W		
R524	△.1-246-449-00	CARBON	100	5%	1/4W	R578	1-246-511-00	CARBON	39K	5%	1/4W		
R525	1-213-143-00	METAL	1K	5%	1W	F	R579	1-246-511-00	CARBON	39K	5%	1/4W	
R526	△.1-246-985-00	CARBON	33	5%	1/8W	F	R580	1-246-491-00	CARBON	5.6K	5%	1/4W	
R527	△.1-246-982-00	CARBON	10	5%	1/8W	F	R581	△.1-217-523-00	FUSIBLE	10	5%	1/4W	F
R528	1-212-361-00	METAL	1.2	5%	1W	F	R582	1-217-523-00	FUSIBLE	10	5%	1/4W	
R529	1-212-361-00	METAL	1.2	5%	1W	F	R583	1-246-511-00	CARBON	39K	5%	1/4W	
R530	1-213-140-00	METAL	560	5%	1W	F	R584	1-246-471-00	CARBON	820	5%	1/4W	
R531	1-213-135-00	METAL	220	5%	1W	F	R585	1-246-495-00	CARBON	8.2K	5%	1/4W	
R532	1-246-507-00	CARBON	27K	5%	1/4W	R587	1-213-125-00	METAL	33	5%	1W	F	
R533	1-213-142-00	METAL	820	5%	1W	F	R588	1-213-144-00	METAL	1.2K	5%	1W	F
R534	1-246-495-00	CARBON	8.2K	5%	1/4W	R589	1-213-131-00	METAL	100	5%	1W	F	
R535	1-246-497-00	CARBON	10K	5%	1/4W	R590	1-246-517-00	CARBON	68K	5%	1/4W		
R536	1-246-483-00	CARBON	2.7K	5%	1/4W	R592	1-246-521-00	CARBON	100K	5%	1/4W		
R537	1-246-477-00	CARBON	1.5K	5%	1/4W	R593	1-246-979-00	CARBON	1.2	5%	1/8W	F	
R538	1-212-360-00	METAL	1	5%	1W	F	R594	1-246-473-00	CARBON	1K	5%	1/4W	
R539	1-206-661-00	METAL	750	5%	2W	F	R599	1-246-979-00	CARBON	1.2	5%	1/8W	F
R540	1-246-489-00	CARBON	4.7K	5%	1/4W	R601	△.1-202-719-00	COMPOSITION	1M	10%	1/2W		
R541	1-246-487-00	CARBON	3.9K	5%	1/4W	R602	△.1-202-723-00	COMPOSITION	2.2M	10%	1/2W		
R542	1-246-489-00	CARBON	4.7K	5%	1/4W	R603	1-246-527-00	CARBON	180K	5%	1/4W		
R543	1-246-513-00	CARBON	47K	5%	1/4W	R1501	1-206-688-00	METAL	10K	5%	2W	F	
R545	1-246-497-00	CARBON	10K	5%	1/4W	R1502	1-246-477-00	CARBON	1.5K	5%	1/4W		
R546	1-246-525-00	CARBON	150K	5%	1/4W	R1504	1-246-495-00	CARBON	8.2K	5%	1/4W		
R547	1-246-497-00	CARBON	10K	5%	1/4W	R1505	1-246-493-00	CARBON	6.8K	5%	1/4W		
R548	1-246-471-00	CARBON	820	5%	1/4W	R1506	1-246-481-00	CARBON	2.2K	5%	1/4W		
R549	1-246-473-00	CARBON	1K	5%	1/4W	R1507	1-246-484-00	CARBON	3K	5%	1/4W		
R550	1-246-498-00	CARBON	11K	5%	1/4W	R1508	1-246-479-00	CARBON	1.8K	5%	1/4W		
R551	1-246-495-00	CARBON	8.2K	5%	1/4W	R1509	1-246-486-00	CARBON	3.6K	5%	1/4W		
R552	1-246-503-00	CARBON	18K	5%	1/4W	R1510	1-205-607-00	CEMENT-COATED	18K	10%	5W		
R553	1-246-449-00	CARBON	100	5%	1/4W	R1511	1-213-138-00	METAL	390	5%	1W	F	
R554	1-246-489-00	CARBON	4.7K	5%	1/4W	R1512	1-246-473-00	CARBON	1K	5%	1/4W		
R555	1-246-503-00	CARBON	18K	5%	1/4W	R1513	1-246-449-00	CARBON	100	5%	1/4W		
R556	1-246-503-00	CARBON	18K	5%	1/4W	R1514	1-247-012-00	CARBON	1K	5%	1/4W	F	
R557	1-246-449-00	CARBON	100	5%	1/4W	R1515	1-246-489-00	CARBON	4.7K	5%	1/4W		
R558	1-246-482-00	CARBON	2.4K	5%	1/4W	R1516	1-206-676-00	METAL	3.3K	5%	2W	F	
R559	1-246-506-00	CARBON	24K	5%	1/4W	R1517	1-206-676-00	METAL	3.3K	5%	2W	F	
R560	1-246-506-00	CARBON	24K	5%	1/4W	R1518	△.1-213-146-00	METAL	1.8K	5%	1W	F	
R561	1-246-449-00	CARBON	100	5%	1/4W	R1519	1-206-463-00	METAL	10	5%	2W	F	
R562	1-246-481-00	CARBON	2.2K	5%	1/4W	R1520	1-213-147-00	METAL	2.2	5%	1W	F	
R563	1-246-504-00	CARBON	20K	5%	1/4W	R1521	1-206-664-00	METAL	1K	5%	2W	F	
R564	1-246-501-00	CARBON	15K	5%	1/4W	R1522	1-246-429-00	CARBON	15	5%	1/4W		
R565	1-246-506-00	CARBON	24K	5%	1/4W	R1523	1-206-441-00	METAL	1.2	5%	2W	F	
R566	1-246-449-00	CARBON	100	5%	1/4W	R1524	1-206-477-00	METAL	39	5%	2W	F	

NOTE:

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• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

• MF : μ F, PF : μ F

RESISTORS

• All resistors are in ohms
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COILS

• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
R1525	1-246-481-00	CARBON	2.2K 5% 1/4W	R1600	1-214-753-00	METAL	10K 1% 1/4W
R1526	1-246-465-00	CARBON	470 5% 1/4W	R1601	1-214-750-00	METAL	7.5K 1% 1/4W
R1527	1-213-136-00	METAL	270 5% 1W F	R1602A		CARBON	1/4W
R1528	1-246-489-00	CARBON	4.7K 5% 1/4W	R1603	1-246-501-00	CARBON	15K 5% 1/4W
R1529	1-246-497-00	CARBON	10K 5% 1/4W	R1604	1-246-481-00	CARBON	2.2K 5% 1/4W
R1530	1-246-473-00	CARBON	1K 5% 1/4W	R1605	1-246-473-00	CARBON	1K 5% 1/4W
R1531	1-246-504-00	CARBON	20K 5% 1/4W	R1606	1-246-488-00	CARBON	4.3K 5% 1/4W
R1532	1-246-489-00	CARBON	4.7K 5% 1/4W	R1607	1-246-501-00	CARBON	15K 5% 1/4W
R1533	1-246-497-00	CARBON	10K 5% 1/4W	R1608	1-246-473-00	CARBON	1K 5% 1/4W
R1534	1-246-513-00	CARBON	47K 5% 1/4W	R1609	1-214-781-00	METAL	150K 1% 1/4W
R1535	1-246-489-00	CARBON	4.7K 5% 1/4W	R1610	1-214-779-00	METAL	120K 1% 1/4W
R1536	1-246-473-00	CARBON	1K 5% 1/4W	VARIABLE RESISTOR			
R1537	1-246-482-00	CARBON	2.4K 5% 1/4W	RV501	1-224-990-00	RES, ADJ, CARBON	47K
R1538	1-246-497-00	CARBON	10K 5% 1/4W	RV502	1-224-990-00	RES, ADJ, CARBON	47K
R1539	1-246-508-00	CARBON	30K 5% 1/4W	RV503	1-224-646-XX	RES, ADJ, CARBON	22K
R1540	1-246-473-00	CARBON	1K 5% 1/4W	RV504	1-224-641-XX	RES, ADJ, CARBON	470
R1541A	1-246-979-00	CARBON	1.2 5% 1/8W F	RV505	1-226-100-00	RES, ADJ, CARBON	10K
R1542A	1-246-979-00	CARBON	1.2 5% 1/8W F	RV506	1-226-029-00	RES, ADJ, CARBON	1K
R1543A	1-246-979-00	CARBON	1.2 5% 1/8W F	RV507	1-222-344-00	RES, ADJ, CARBON	5K
R1544A	1-246-979-00	CARBON	1.2 5% 1/8W F	RV1501	1-224-646-XX	RES, ADJ, CARBON	22K
R1545	1-213-142-00	METAL	820 5% 1W F	RV1502	1-226-819-00	RES, ADJ, CARBON	1K
R1546	1-206-473-00	METAL	27 5% 2W F	RV1503	1-226-887-00	RES, ADJ, CARBON	250K
R1548	1-206-449-00	METAL	2.7 5% 2W F	RV1504	1-224-990-00	RES, ADJ, CARBON	47K
R1549	1-246-503-00	CARBON	18K 5% 1/4W	RV1505	1-224-965-00	RES, ADJ, CARBON	470
R1550	1-246-505-00	CARBON	22K 5% 1/4W	RV1506	1-224-641-XX	RES, ADJ, CARBON	470
R1551	1-246-485-00	CARBON	3.3K 5% 1/4W	SPARK GAP			
R1552	1-246-457-00	CARBON	220 5% 1/4W	SG1501	1-519-063-XX	DISCHARGING GAP	
R1553	1-246-467-00	CARBON	560 5% 1/4W	TRANSFORMER			
R1554	1-246-471-00	CARBON	820 5% 1/4W	T501	1-421-324-11	V. PCT	
R1555	1-246-461-00	CARBON	330 5% 1/4W	T601A	1-421-259-12	TRANSFORMER, LFT	
R1556	1-246-465-00	CARBON	470 5% 1/4W	T602A	1-421-496-11	TRANSFORMER FILTER, LINE	
R1557	1-246-473-00	CARBON	1K 5% 1/4W	T1501	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
R1558	1-246-469-00	CARBON	680 5% 1/4W	T1502	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
R1559	1-246-491-00	CARBON	5.6K 5% 1/4W	T1503A	1-439-252-00	TRANSFORMER, HORIZONTAL OUTPUT	
R1560	1-246-472-00	CARBON	910 5% 1/4W	T1504	1-407-849-00	TRANSFORMER, D.F	
R1561	1-246-491-00	CARBON	5.6K 5% 1/4W	T1505A	1-421-388-00	TRANSFORMER, LOT	
R1562	1-246-489-00	CARBON	4.7K 5% 1/4W	THERMISTOR			
R1563	1-246-449-00	CARBON	100 5% 1/4W	TH501	1-800-071-XX	TH DIRECT-HEATING DISK S-300	
R1564	1-246-449-00	CARBON	100 5% 1/4W	TH1501	1-800-194-11	THERMISTORCDIRECT-HEATING DISK	
R1565	1-213-126-00	METAL	39 5% 1W F	THP601A	1-806-214-11	THERMISTOR, POSITIVE	
R1578	1-246-472-00	CARBON	910 5% 1/4W	*****			
R1579	1-212-371-00	METAL	8.2 5% 1W F	•:1-604-960-00	H1 BOARD	*****	
R1580	1-246-484-00	CARBON	3K 5% 1/4W	SWITCH			
R1581A	1-246-981-00	CARBON	4.7 5% 1/8W F	S1301	1-553-640-21	SWITCH, PUSH	
R1582A	1-246-981-00	CARBON	4.7 5% 1/8W F	S1302	1-553-640-21	SWITCH, PUSH	
R1584	1-246-489-00	CARBON	4.7K 5% 1/4W	*****			
R1590	1-246-508-00	CARBON	30K 5% 1/4W	*****			
R1591	1-246-493-00	CARBON	6.8K 5% 1/4W	*****			
R1593	1-246-497-00	CARBON	10K 5% 1/4W	*****			
R1594	1-206-692-00	METAL	15K 5% 2W F	*****			
R1595	1-214-756-00	METAL	13K 1% 1/4W	*****			
R1596	1-246-475-00	CARBON	1.2K 5% 1/4W	*****			
R1598	1-214-777-00	METAL	100K 1% 1/4W	*****			
R1599	1-246-491-00	CARBON	5.6K 5% 1/4W	*****			

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H1

H2

K

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
S1303	1-553-640-21	SWITCH, PUSH		C1235	1-123-379-00	ELECT 0.47MF 20% 50V	
S1304	1-553-640-21	SWITCH, PUSH		C1236	1-123-356-00	ELECT 10MF 20% 16V	
S1305	1-553-640-21	SWITCH, PUSH		C1237	1-123-356-00	ELECT 10MF 20% 16V	
S1306	1-553-640-21	SWITCH, PUSH		C1238	1-101-004-00	CERAMIC 0.01MF 50V	
*****				C1241	1-123-356-00	ELECT 10MF 20% 16V	
♣:1-604-961-00	H2 BOARD	*****		C1245	1-102-111-00	CERAMIC 270PF 10% 50V	
1-556-016-61	CONNECTOR ASSY (2.5MM) 3P			C1246	1-102-111-00	CERAMIC 270PF 10% 50V	
1-556-002-41	CONNECTOR ASSY (2.5MM) 6P			<u>DIODE</u>			
<u>RESISTOR</u>				D1205=>8-719-100-27	DIODE RD4.7EBZ		
R1351	1-246-501-00	CARBON 15K 5% 1/4W		<u>FUSE</u>			
R1352	1-246-499-00	CARBON 12K 5% 1/4W		F1201A.1-532-557-00	FUSE, GLASS TUBE 3.15A		
R1353	1-246-491-00	CARBON 5.6K 5% 1/4W		F1202A.1-532-557-00	FUSE, GLASS TUBE 3.15A		
<u>VARIABLE RESISTOR</u>				<u>IC</u>			
RV1351	1-226-804-00	RES, VAR, CARBON 20K		IC1201A.8-759-111-88	IC JPC1188H		
RV1352	1-226-805-00	RES, VAR, CARBON 20K		IC1202 8-759-111-88	IC UPC1188H		
RV1353	1-226-805-00	RES, VAR, CARBON 20K		IC1203 8-759-826-01	IC LA2600S		
RV1354	1-226-805-00	RES, VAR, CARBON 20K		<u>CONNECTOR</u>			
RV1355	1-226-805-00	RES, VAR, CARBON 20K		K1	1-508-765-00	3P PLUG (M)	
*****				K2	♣:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
♣:A-1385-014-A	K BOARD, COMPLETE	*****		K3	♣:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
♣:1-533-146-00	HOLDER, FUSE			K4	1-508-765-00	3P PLUG (M)	
<u>CAPACITOR</u>				K5	1-508-765-00	3P PLUG (M)	
C1201	1-125-154-00	ELECT (BLOCK) 2200MF 35V		<u>TRANSISTOR</u>			
C1202	1-125-154-00	ELECT (BLOCK) 2200MF 35V		Q1201=>8-729-178-54	TRANSISTOR 2SC2785		
C1207	1-102-820-00	CERAMIC 330PF 5% 50V		Q1202=>8-729-178-54	TRANSISTOR 2SC2785		
C1208	1-123-318-00	ELECT 33MF 20% 16V		<u>RESISTOR</u>			
C1209	1-123-333-00	ELECT 100MF 20% 25V		R1205	1-212-352-00	METAL 0.22 5% 1W F	
C1210	1-106-224-00	MYLAR 0.15MF 10% 100V		R1206	1-246-449-00	CARBON 100 5% 1/4W	
C1211	1-108-389-00	MYLAR 0.1MF 10% 100V		R1207	1-246-499-00	CARBON 12K 5% 1/4W	
C1216	1-102-820-00	CERAMIC 330PF 5% 50V		R1208	1-246-491-00	CARBON 5.6K 5% 1/4W	
C1217	1-123-318-00	ELECT 33MF 20% 16V		R1209	1-212-352-00	METAL 0.22 5% 1W F	
C1218	1-123-333-00	ELECT 100MF 20% 25V		R1210	1-246-499-00	CARBON 12K 5% 1/4W	
C1219	1-106-224-00	MYLAR 0.15MF 10% 100V		R1211	1-246-491-00	CARBON 5.6K 5% 1/4W	
C1220	1-108-389-00	MYLAR 0.1MF 10% 100V		R1212	1-246-449-00	CARBON 100 5% 1/4W	
C1221	1-102-107-00	CERAMIC 120PF 10% 50V		R1213	1-211-403-00	CARBON 5.6 5% 1/8W F	
C1222	1-102-107-00	CERAMIC 120PF 10% 50V		R1217	1-246-496-00	CARBON 9.1K 5% 1/4W	
C1224	1-123-356-00	ELECT 10MF 20% 16V		R1218	1-246-503-00	CARBON 18K 5% 1/4W	
C1225	1-123-356-00	ELECT 10MF 20% 16V		R1219	1-246-516-00	CARBON 62K 5% 1/4W	
C1227	1-102-114-00	CERAMIC 470PF 10% 50V		R1220	1-246-507-00	CARBON 27K 5% 1/4W	
C1229	1-123-356-00	ELECT 10MF 20% 16V		R1221	1-246-496-00	CARBON 9.1K 5% 1/4W	
C1230	1-123-356-00	ELECT 10MF 20% 16V		R1222	1-246-503-00	CARBON 18K 5% 1/4W	
C1231	1-102-114-00	CERAMIC 470PF 10% 50V		R1223	1-246-507-00	CARBON 27K 5% 1/4W	
C1232	1-123-356-00	ELECT 10MF 20% 16V					
C1233	1-123-324-00	ELECT 1000MF 20% 16V					
C1234	1-123-318-00	ELECT 33MF 20% 16V					

NOTE:

The components identified by shading and mark ♣ are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Items marked "♣" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark
R1224	1-246-516-00	CARBON 62K 5% 1/4W	
R1225	1-246-473-00	CARBON 1K 5% 1/4W	
R1226	1-246-473-00	CARBON 1K 5% 1/4W	
R1227	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1228	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1229	1-246-473-00	CARBON 1K 5% 1/4W	
R1230	1-246-449-00	CARBON 100 5% 1/4W	
R1231	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1232	1-246-471-00	CARBON 820 5% 1/4W	
R1233	1-244-871-00	CARBON 820 5% 1/2W	
R1238	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1241	1-211-403-00	CARBON 5.6 5% 1/8W F	

VARIABLE RESISTOR

RV1201	1-226-847-00	RES, ADJ, CARBON 1K
RV1202	1-226-850-00	RES, ADJ, CARBON 4.7K

♣:1-602-172-00 X1 BOARD

CAPACITOR

C1901A	1-102-327-00	CERAMIC 330PF 15% 1.5KV
C1906	1-102-820-00	CERAMIC 330PF 5% 50V

COIL

L1901	1-407-365-00	COIL, CHOKE
L1903	1-407-365-00	COIL, CHOKE

RESISTOR

R1901	1-246-449-00	CARBON 100 5% 1/4W
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♣:1-602-173-00 X2 BOARD

CAPACITOR

C1902A	1-102-327-00	CERAMIC 330PF 15% 1.5KV
C1907	1-102-820-00	CERAMIC 330PF 5% 50V

COIL

L1902	1-407-365-00	COIL, CHOKE
L1904	1-407-365-00	COIL, CHOKE

RESISTOR

R1902	1-246-449-00	CARBON 100 5% 1/4W
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Ref.No	Part No	Description	Remark
♣:1-604-845-00	Y BOARD	*****	
♣:4-345-836-00	HOLDER (S-2), LED		
DIODE			
D1	8-719-102-34	DIODE SG232D	
D2	8-719-106-34	DIODE SR632D	
D3	8-719-114-34	DIODE SY432D	

CONNECTOR

N6	1-555-965-51	CONNECTOR ASSY (2.5MM) 5P
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♣:1-605-977-21 GA BOARD

♣:1-555-352-00 CONNECTOR, MINIATURE 1P
♣:1-555-442-00 CONNECTOR ASSY (LARGE) 3P
♣:1-555-867-71 CONNECTOR, MINIATURE 1P
♣:1-556-021-00 CONNECTOR ASSY 3P
3-701-353-00 SPACER, MICA

3-703-320-00 BUSHING (A), TRANSISTOR
♣:3-706-518-00 HOLDER, POT
♣:3-706-519-00 HEAT SINK, REG
♣:3-706-520-00 BRACKET, G PC BOARD
♣:3-706-521-00 CASE, SHIELD, G BLOCK

♣:4-307-456-00 HOLDER, (TO-3)
4-333-157-00 RETAINER, AC CORD

CAPACITOR

C635	1-102-085-00	CERAMIC	0.0047MF		500V
C651	1-102-824-00	CERAMIC	470PF	5%	50V
C652	1-108-409-00	MYLAR	0.001MF	10%	200V
C653	1-108-579-00	MYLAR	0.01MF	5%	50V
C654	1-108-595-00	MYLAR	0.047MF	5%	50V
C656	1-130-697-00	FILM	0.025MF	3%	1.4KV
C657	1-130-073-00	FILM	0.16MF	5%	400V
C658	1-101-006-00	CERAMIC	0.047MF		50V
C659	1-123-266-51	ELECT	1.5MF	20%	160V
C660	1-101-004-00	CERAMIC	0.01MF		50V
C661	1-123-380-00	ELECT	1MF	20%	50V
C662	1-101-810-00	CERAMIC	100PF	5%	500V
C663	1-130-458-00	FILM	0.024MF	3%	400V
C664	1-129-710-00	FILM	0.0047MF	10%	630V
C665	1-129-710-00	FILM	0.0047MF	10%	630V
C666	1-125-213-00	ELECT	560MF		180V
C667	1-123-336-00	ELECT	470MF	20%	25V
C668	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C669	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C670	1-123-336-00	ELECT	470MF	20%	25V
C671	1-123-336-00	ELECT	470MF	20%	25V
C672	1-108-381-00	MYLAR	0.022MF	10%	100V

NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

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• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C673	1-108-421-00	MYLAR 0.01MF	10% 200V	R663	1-246-481-00	CARBON 2.2K 5% 1/4W	
C674	1-108-377-00	MYLAR 0.01MF	10% 100V	R664	1-214-147-00	METAL 4.3K 1% 1/4W F	
C675	1-102-125-00	CERAMIC 0.0047MF	10% 50V	R665	1-212-688-00	METAL 27K 1% 1/2W F	
C676	1-102-125-00	CERAMIC 0.0047MF	10% 50V	R666	1-212-685-00	METAL 20K 1% 1/2W F	
<u>DIODE</u>				R667	△.1-205-645-00	WIREWOUND 5.6K 5% 10W F	
D651	8-719-901-02	DIODE SIB01-02		R668	△.1-217-465-00	FUSE 0.47 5% 1W F	
D652	8-719-901-40	DIODE SIB01-02T5		R669	1-246-783-00	CARBON 1.0K 5% 1/8W	
D653	8-719-901-02	DIODE SIB01-02		R670	△.1-246-521-00	CARBON 100K 5% 1/4W	
D654	8-719-113-21	DIODE RD13E-B127		R671	1-246-498-00	CARBON 11K 5% 1/4W	
D655	8-719-815-55	DIODE 1S1555		R672	△.1-246-521-00	CARBON 100K 5% 1/4W	
D656	8-719-901-93	DIODE V19E		R673	1-246-473-00	CARBON 1K 5% 1/4W	
D657	8-719-901-93	DIODE V19E		R674	1-246-489-00	CARBON 4.7K 5% 1/4W	
D658	8-719-901-91	DIODE V19B		R675	1-217-418-00	FUSE 0.47 10% 1/2W F	
D659	8-719-901-91	DIODE V19B		R676	△.1-217-465-00	FUSE 0.47 5% 1W F	
D660	8-719-901-91	DIODE V19B		R677	1-246-449-00	CARBON 100 5% 1/4W	
D661	8-719-901-91	DIODE V19B		R678	△.1-247-033-00	CARBON 100 5% 1/8W	
D662	△.8-719-901-91	DIODE V19B		R679	1-246-489-00	CARBON 4.7K 5% 1/4W	
D663	8-719-901-02	DIODE SIB01-02		<u>TRANSFORMER</u>			
D664	8-719-110-07	DIODE RD10E-B22		T651	△.1-421-450-00	TRANSFORMER, INSULATING	
D665	8-719-901-02	DIODE SIB01-02		T652	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE	
D666	8-719-110-60	DIODE RD11EB1		T653	1-405-760-00	COIL, OSC	
<u>IC</u>				*****			
IC651	△.1-235-015-00	MODULE, POWER		♣:1-605-978-21	GB BOARD	*****	
<u>COIL</u>				<u>TRANSFORMER</u>			
L651	△.1-421-490-00	COIL FERRITE (PCC)		T654	△.1-421-448-00	TRANSFORMER, FERRITE (POT)	
L657	1-421-329-00	COIL, CHOKE 10UH		*****			
L658	1-421-329-00	COIL, CHOKE 10UH		<u>MISCELLANEOUS</u>			
<u>TRANSISTOR</u>				△.1-215-066-21	RES ASSY, HIGH-VOLTAGE ;MVR		
Q651	8-729-213-11	TRANSISTOR 2SC2230A		△.1-228-484-00	RESISTOR ASSY, HIGH-VOLTAGE ;HVR		
Q652	△.8-729-286-91	TRANSISTOR 2SD869		♣:1-413-084-00	POWER BLOCK, X-Y		
Q653	8-729-213-11	TRANSISTOR 2SC2230A		△.1-452-236-00	CRT NECK ASSY		
Q654	8-729-201-52	TRANSISTOR 2SA1015		△.1-551-478-11	CORD, POWER		
Q655	8-729-201-52	TRANSISTOR 2SA1015		♣:1-551-791-00	CONNECTOR ASSY (L) 2P		
Q656	8-729-281-52	TRANSISTOR 2SC1815		♣:1-551-925-00	CONNECTOR ASSY (2.5MM) 3P		
Q657	8-729-281-52	TRANSISTOR 2SC1815		♣:1-555-033-00	CONNECTOR ASSY, MINIATURE 3P		
<u>RESISTOR</u>				♣:1-555-042-00	CONNECTOR ASSY (LARGE) 3P		
R651	1-246-505-00	CARBON 22K 5% 1/4W		♣:1-555-180-00	CONNECTOR ASSY, MINIATURE 4P		
R652	1-246-509-00	CARBON 33K 5% 1/4W		♣:1-555-225-00	CONNECTOR ASSY (LARGE) 1P		
R653	1-246-470-00	CARBON 750 5% 1/4W		♣:1-555-286-00	CONNECTOR PLUG ASSY 2P		
R654	1-246-459-00	CARBON 270 5% 1/4W		♣:1-555-302-00	CONNECTOR PLUG ASSY 6P		
R655	1-246-481-00	CARBON 2.2K 5% 1/4W		♣:1-555-328-00	CONNECTOR, PLUG HOUSING 1P		
R656	1-211-930-00	CARBON 33 5% 1/8W		♣:1-555-352-00	CONNECTOR, MINIATURE 1P		
R657	1-217-619-00	WIREWOUND 0.24 5% 3W F		♣:1-555-442-00	CONNECTOR ASSY (LARGE) 3P		
R658	1-217-619-00	WIREWOUND 0.24 5% 3W F		♣:1-555-614-00	CONNECTOR ASSY (2.5MM) 3P		
R659	1-206-696-00	METAL 22K 5% 2W F		♣:1-555-867-71	CONNECTOR, MINIATURE 1P		
R660	1-246-489-00	CARBON 4.7K 5% 1/4W		♣:1-556-021-00	CONNECTOR ASSY 3P		
R661	1-246-459-00	CARBON 270 5% 1/4W		△.1-561-347-00	OUTLET, AC		
R662	1-246-980-00	CARBON 3.3 5% 1/8W F					

NOTE:

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

• Items marked "♣" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS

• MF : μ F, PF : μ F

RESISTORS

• All resistors are in ohms
• F : nonflammable

COILS

• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
L901	1-426-059-21	COIL, DEGAUSSING DGC					
L902	1-426-059-21	COIL, DEGAUSSING DGC					
L903	1-451-156-00	DEFLECTION YOKE V.DY					
L904	1-451-156-00	DEFLECTION YOKE H.DY					
Q1901	8-729-372-53	TRANSISTOR 2SD725					
Q1902	8-729-372-53	TRANSISTOR 2SD725-04					
Q1903	8-726-404-10	THYRISTOR SG-264A					
R1903	1-217-618-00	RES, WIREWOUND 1.2 (15W)					
S1901	1-553-262-00	SWITCH, PUSH (POWER SWITCH)					
S1902	1-514-524-00	SLIDE SWITCH					
S1903	1-514-524-00	SLIDE SWITCH					
T1901	1-447-120-00	TRANSFORMER, POWER;PT					
V901	8-738-406-05	CRT 680DB22A					

ACCESSORIES AND PACKING MATERIALS

Part No	Description	Remark
1-551-086-31	CORD, CONNECTION	
1-551-842-11	CORD, CONNECTION (RK-105A)	
1-561-790-00	CONNECTOR (SOCKET) 34P	
4-491-556-21	INSTRUCTION, CONNECTOR, 34 PIN	
4-491-561-21	SYSTEM CONNECTIONS GUIDE	
4-493-615-21	MANUAL, INSTRUCTION	
X-4354-304-0	PLATE ASSY, BOTTOM	
4-354-322-00	BAND	
4-354-324-00	TABLE, BOTTOM	
4-337-844-00	BAG, PROTECTION	
4-354-321-00	REINFORCEMENT	
4-354-323-00	INDIVIDUAL CARTON	

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

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• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

STANDARD PARTS LIST

ELECTROLYTIC CAPACITORS

CAP. (μF)	RATING → : Use the high voltage rated one.						
	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.	63 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47						→	→
1.0						→	→
2.2						→	→
3.3						→	→
4.7				→	→	→	→
10			→	→	→	1-123-356-00	1-123-369-00
22			→	1-123-330-00	→	1-123-357-00	1-123-370-00
33	→	→	1-123-318-00	→	1-123-343-00	→	1-123-371-00
47	→	1-123-306-00	→	1-123-332-00	→	1-123-359-00	1-123-372-00
100	→	1-123-307-00	→	1-123-333-00	1-123-345-00	1-123-360-00	1-123-373-00
220	→	1-123-308-00	1-123-321-00	1-123-334-00	1-123-346-00	1-123-361-00	1-123-374-00
330	→	1-123-309-00	1-123-322-00	1-123-335-00	1-123-347-00	1-123-362-00	1-123-375-00
470	1-123-298-00	1-123-310-00	1-123-323-00	1-123-336-00	1-123-348-00	1-123-363-00	1-123-376-00
1000	1-123-299-00	1-123-311-00	1-123-324-00	1-123-337-00	1-123-349-00	1-123-364-00	1-123-377-00
2200	1-123-300-00	→	1-123-325-00	1-123-338-00	1-123-350-00		1-123-378-00
3300	1-123-301-00	1-123-313-00	1-123-326-00	1-123-339-00			
4700	1-123-302-00	1-123-314-00	1-123-327-00				
6800	1-123-303-00	1-123-315-00					
10000	1-123-304-00						

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	1-123-379-00			
1.0	1-123-380-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-381-00	1-123-026-00	1-123-027-00	1-123-028-00
3.3	1-123-382-00	1-121-707-00	1-123-004-00	1-123-006-00
4.7	1-123-383-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-123-384-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-123-385-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-123-386-00	1-121-757-00		
47	1-123-387-00	1-121-919-00		
100	1-123-388-00			
220	1-123-389-00			
330	1-123-390-00			
470	1-123-391-00			

CERAMIC CAPACITORS

RATING							
CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	PART No.		PART No.		PART No.		PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

MYLAR CAPACITORS

0.001μF = 1,000pF

RATING											
CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.
	PART No.	PART No.	PART No.		PART No.	PART No.	PART No.		PART No.	PART No.	PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00		
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00		
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00		
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00		
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				

STANDARD PARTS LIST

ELECTROLYTIC CAPACITORS

RATING → : Use the high voltage rated one.							
CAP. (μF)	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	25 VOLT. PART No.	35 VOLT. PART No.	50 VOLT. PART No.	63 VOLT. PART No.
0.47						→	→
1.0						→	→
2.2						→	→
3.3						→	→
4.7				→	→	→	1-123-369-00
10			→	→	→	1-123-356-00	1-123-370-00
22			→	1-123-330-00	→	1-123-357-00	1-123-371-00
33	→		1-123-318-00	→	1-123-343-00	→	1-123-372-00
47	→	1-123-306-00	→	1-123-332-00	→	1-123-359-00	1-123-373-00
100	→	1-123-307-00	→	1-123-333-00	1-123-345-00	1-123-360-00	1-123-374-00
220	→	1-123-308-00	1-123-321-00	1-123-334-00	1-123-346-00	1-123-361-00	1-123-375-00
330	→	1-123-309-00	1-123-322-00	1-123-335-00	1-123-347-00	1-123-362-00	1-123-376-00
470	1-123-298-00	1-123-310-00	1-123-323-00	1-123-336-00	1-123-348-00	1-123-363-00	1-123-377-00
1000	1-123-299-00	1-123-311-00	1-123-324-00	1-123-337-00	1-123-349-00	1-123-364-00	1-123-378-00
2200	1-123-300-00	→	1-123-325-00	1-123-338-00	1-123-350-00		
3300	1-123-301-00	1-123-313-00	1-123-326-00	1-123-339-00			
4700	1-123-302-00	1-123-314-00	1-123-327-00				
6800	1-123-303-00	1-123-315-00					
10000	1-123-304-00						

CAP. (μF)	100 VOLT. PART No.	160 VOLT. PART No.	250 VOLT. PART No.	350 VOLT. PART No.
0.47	1-123-379-00			
1.0	1-123-380-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-381-00	1-123-026-00	1-123-027-00	1-123-028-00
3.3	1-123-382-00	1-121-707-00	1-123-004-00	1-123-006-00
4.7	1-123-383-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-123-384-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-123-385-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-123-386-00	1-121-757-00		
47	1-123-387-00	1-121-919-00		
100	1-123-388-00			
220	1-123-389-00			
330	1-123-390-00			
470	1-123-391-00			

CERAMIC CAPACITORS

RATING							
CAP. (pF)	50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

MYLAR CAPACITORS

RATING											
CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00		
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00		
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00		
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00		
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				

1/4 WATT CARBON RESISTORS

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00

HARDWARE NOMENCLATURE

Screw:

P 3 x 10

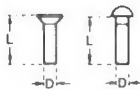
L: Length in mm

D: Diameter in mm

Type of head

Indicated slotted-head only.

Unless otherwise indicated, it means cross-recessed head (Phillips type).



Nut, Washer, Retaining ring:

N 3

Diameter of usable screw or shaft

Reference designation

Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

Sony Corporation
TV and Consumer Video Group

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